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# Timber Resource Statistics for the Prince of Wales Inventory Unit, Alaska, 1973

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Authors

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### **Abstract**

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Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 1973 timber inventory of the Prince of Wales unit, Alaska. Timberland area is estimated at 1.38 million acres (557 593 ha), net growing stock volume at 7.56 billion cubic feet (214 million m<sup>3</sup>), and annual net growth and mortality at -65.24 and 100.26 million cubic feet (-1.85 and 2.84 million m<sup>3</sup>), respectively.

Keywords: Forest surveys, timber inventory, statistics (forest), resources (forest), Alaska (southeast).

# Summary

This report for the 2.28-million-acre (923 760-ha) Prince of Wales timber inventory unit is the fourth in a series of six reports for southeast Alaska. The Prince of Wales unit is in the panhandle of southeast Alaska, and includes Prince of Wales, Coronation, Noyes, Baker, Lulu, San Fernando, Suemez, and Dall Islands, among others. The northern edge of the unit is bounded by Sumner Strait; on the east side, by Clarence Strait. The southern edge is the border between the United States and Canada. The Pacific Ocean forms the western boundary of the unit. Except for cities, towns, and private in-holdings, the unit is entirely within the Tongass National forest.

This is the first general reinventory of the forests in the Prince of Wales unit, which were first inventoried in 1957. It is also the second remeasurement of the growth and mortality plots established in 1957; they were also remeasured in 1968.

Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 1973 timber resource inventory of the Prince of Wales unit. Timberland area is estimated at 1.38 million acres (557 593 ha), net growing stock volume at 7.56 billion cubic feet (213.95 million m<sup>3</sup>), and net annual growth and mortality at -65.24 and 100.26 million cubic feet (-1.85 and 2.84 million m<sup>3</sup>), respectively.

#### Preface

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

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Highlights	Thousand acres	Thousand hectares
Total Prince of Wales		
inventory unit area:	2,282.68	923.76
With forests	2,155.12	872.15
With nonforest	111.11	44.96
With non-Census water	16.45	6.66
With Census water	<u>1</u> /	<u>1</u> /
Forested area:		
Timberland	1,377.84	557.59
Other forest land	777.28	314.55
Timberland composition:		
Old-growth sawtimber	1,233.09	499.01
Young-growth sawtimber	23.47	9.50
Poletimber	11.74	4.75
Seedlings and saplings,		
and nonstocked	109.55	44.33
Timberland forest type composition:		
Sitka spruce	103.10	41.72
Hemlock-spruce	93.36	37.78
Western redcedar	257.88	104.36
Western hemlock	817.89	330.99
Mountain hemlock	46.94	18.99
Alaska-cedar	58.67	23.74
Lodgepole pine	<u>1</u> /	<u>1</u> /
Other softwoods	<u>1</u> /	<u>1</u> /
Red alder	1/ 1/ 1/	1/ 1/ 1/ 1/
Cottonwood/poplar	<u>1</u> /	<u>1</u> /
Other hardwoods	<u>1</u> /	1/

<sup>1/</sup>No data were collected.

	All growing stock			imber g stock
	Million	Million	Million	Million
	cubic	cubic	board	cubic
	feet <u>2</u> /	meters 2/	feet <u>3</u> /	meters 4/
Volumes on timberland: Total gross volume Total net volume	8,571.36	242.71	46,375.68	227.75
	7,555.78	213.95	35,176.30	199.68
Annual net growth Annual net mortality	-65.24	-1.85	-400.86	-2.07
	100.26	2.84	530.00	2.83

 $<sup>\</sup>underline{2}$ /Volume of roundwood for live trees 5.0 inches (12.7 cm) in d.b.h. and larger.

<sup>3/</sup>Net volume, International 1/4-inch rule, for trees 11.0 inches (28 cm) in d.b.h. and larger.

 $<sup>\</sup>frac{4}{\text{Volume}}$  of roundwood for trees 11.0 inches (28 cm) in d.b.h. and larger.

# Introduction

This report for the 2.28-million-acre (923 760-ha) Prince of Wales timber inventory unit is the fourth in a series of six reports for southeast Alaska. The Prince of Wales inventory unit lies between 56°30' north latitude and 54°30' south latitude, and between 132° east longitude and 134°30' west longitude in the panhandle of southeast Alaska. The unit includes all of Prince of Wales, Coronation, Noyes, Baker, Lulu, San Fernando, Suemez, and Dall Islands, among others (fig. 1). Except for cities, towns, and private in-holdings, the unit is entirely within the Tongass National Forest.

The Prince of Wales unit has a cool maritime climate. Temperatures tend to be slightly below freezing in the winter and are often comfortably warm in the summer; recorded extremes at lower elevations are -3°F to 88°F (-19°C to 31°C). Annual precipitation at lower elevations is between 100-200 inches (254-508 cm), which includes 30-60 inches (76.2-152.4 cm) of snow.

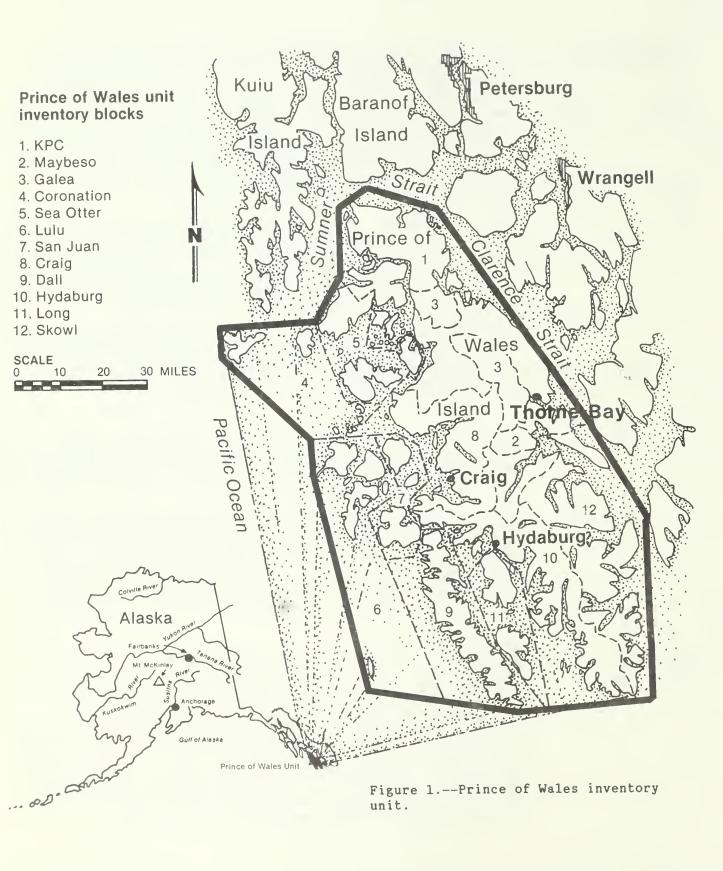
The geologic composition of the area is basically sandstone and fine grained sedimentary rocks rich in calcium carbonate. Most of the area is underlain by limestone, shale, some volcanic rocks, and conglomerates. On Prince of Wales Island there are areas of massive limestone.

This is the first general reinventory of the forests in the Prince of Wales unit, which were first inventoried in 1957. It is also the second remeasurement of the growth and mortality plots established in 1957; they were also remeasured in 1968.

Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 1973 timber resource inventory of the Prince of Wales unit. Estimates for timberland total 1.38 million acres (557 593 ha) with a net growing stock volume of 7.56 billion cubic feet (213.95 million m³). Net annual growth and mortality are estimated at -65.24 and 100.26 million cubic feet (-1.85 and 2.84 million m³), respectively.

# Inventory Procedures

The estimates of area and timber volumes from the 1973 timber reinventory are based on a double sampling (2-phase) technique (Bickford 1952). In the first phase of the sampling study, 10,857 photo points were systematically distributed over 1:15,840 scale aerial photographs, then interpreted. Each photo point was classified by land type. From the 10,857 photo points, a field sample of 147 ground plots were selected. Tree measurements were made on these plots in the second phase of the sampling. Corrected area classifications and measurements of volume on these ground plots served as the basis for the area and volume estimates presented in this report.



Estimates of growth and mortality volumes presented are from 1973 remeasurements of 45 timber inventory plots established in 1957. Growth information from the reinventory plots was based on increment borings; the mortality estimates were based on estimations of the number of years since the trees died. Because mortality information is difficult to obtain this way, we used both the mortality and growth information from the remeasurement data rather than that from the reinventory data. The area base for the 1973 estimates of growth and mortality was calibrated to coincide with the area found in the 1973 timber reinventory.

# Ownership Statistics

Statistics on land ownership are not presented in this report because of uncertainties of land status changes associated with Alaska Native and State of Alaska land selections and wilderness area withdrawals. These changes in land status are the result of Federal legislation: the Alaska Statehood Act of 1958, Public Law 85-508; the Alaska Native Claims Settlement Act of 1971, Public Law 92-203; and the Alaska National Interest Lands Conservation Act, Public Law 96-487. Alaska Native land selections and decisions on wilderness withdrawals seemed nearly settled at the end of 1982, but Alaska State selections will remain uncertain for the next 5-10 years. Fieldwork for our study was completed in 1973; we have delayed publishing the results, anticipating that shifts in land ownership would be resolved by now and the information on ownership could be reprocessed and resummarized for inclusion here.

With the promise of further delays in resolving ownership changes, we decided to release the statistics available now. Statistics on ownership and reserved land status plus a resource analysis will be presented in the future when the status of land shifts is more clear. It is clear now, however, that the Alaska Native and State of Alaska land selections are concentrating on timberlands, which will leave a reduced proportion of the better timberland in Federal ownership.

### Timber Harvesting

A summary of volumes cut in the Ketchikan/Craig area of the Tongass National Forest is provided in table 24. Although this area does not coincide exactly with the inventory boundaries used by Forest Inventory and Analysis (FIA), the volume-cut figures provide an understanding of the amount of logging activity in the area from shortly after the 1973 inventory of the Prince of Wales unit through 1980.

# Reliability of Inventory Data

All area and volume statistics reported here are estimates based on sampling and are subject to sampling error. Sampling errors for all estimates presented in the tables are available on request. The reliability of the inventory is expressed in terms of relative sampling error at the 68-percent confidence level.

	Design sampling error	Sampling error achieved	of the
		Percent	
Timberland area: Per million acres For the total 1.38 million acres	3.0	3.6	3.0
Other forest land area: Per million acres For the total 0.78 million acres	10.0	4.8	5.5
Net growing stock volume: Per billion cubic feet For the total 7.56 billion ft <sup>3</sup>	10.0	11.3	4.1
Net growth of growing stock: Per billion cubic feet For the total -0.07 billion ft <sup>3</sup>	10.0	25.5	100.0

For the Prince of Wales inventory unit, we estimate 7.56 billion cubic feet of net growing stock volume,  $\pm$  4.1 percent, yielding 68-percent confidence limits of 7.25 and 7.87 billion cubic feet. A 68-percent confidence level means that upon repeated sampling, about 68 percent of the confidence intervals constructed for each sample would capture the true value of the parameter being estimated.

# Terminology 5/

Allowable cut—The volume of timber that could be cut on timberland during a given period under specified management plans for sustained production, such as those in effect on National Forests.

Census water—Areas of water classed as water by the Bureau of the Census that are at least 40 acres (16 ha) in size with a minimum width of one-eighth mile (200 m). (Also see non-Census water.)

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

<u>Commercial species</u>——A tree species suitable for industrial wood products.

<u>Cull logs</u>—Softwood sawtimber logs with two-thirds or more of the board-foot volume in cull material. Hardwood sawtimber logs with one-half or more of the volume in cull material.

<u>Cull material</u>—Portions of a tree unusable for industrial products because of rot, form, or other defect.

<u>Cull trees</u>—Live trees of sawtimber or poletimber size that are not merchantable for saw logs nor are they likely to become merchantable because of defect, rot, or species.

 $\underline{\text{D.b.h.}}$ --Diameter at breast height, a point 4-1/2 feet (1.37 m) above the ground on the uphill side of a tree, where, on a normally formed tree, the diameter is measured.

Diameter class—A classification of trees based on diameter of the tree outside the bark measured at breast height, 4-1/2 feet (1.37 m) above the ground. D.b.h. is the common abbreviation for "diameter at breast height." Each 2-inch diameter class is assigned to the appropriate even inch at midpoint. For example, the 6-inch class includes trees 5.0 through 6.9 inches d.b.h.

5/Terminology is from USDA Forest Service, Forest Service Handbook, Title 4813.1, 1967, and the manual of field instructions for the forest survey of coastal Alaska, 1970.



Established seedling—A tree 6.0 inches (15.24 cm) tall, up to 1.0 inch (2.54 cm) in diameter, with good coloration, no evidence of disease, and with a root system preferably in contact with the mineral soil. For seedlings growing on stumps or logs to be tallied, they must be well enough established to survive after the supporting material has decayed.

Forest land—Land at least 16.7 percent stocked by live trees of any size, or land formerly having such tree cover and not currently developed for nonforest use. Includes chaparral areas in the western United States and afforested areas. The minimum area for classification as forest land or subclasses of forest land is 1 acre (0.4 ha). Roadside, streamside, and shelterbelt strips of timber must be at least 120 feet (36 m) wide to be classified as forest land. Unimproved road and trails, streams, and clearings in forest areas must be less than 120 feet wide to be classified as forest land. (Also see timberland, other forest land, reserved forest land, and nonforest land.)

Forest trees—-Woody plants having a well-developed stem and usually more than 12 feet tall, including both growing stock and cull trees.

Forest types—A classification of forest land based on the species forming a plurality of stocking on the area currently occupied by tree cover. The following summarizes the forest types of coastal Alaska:

Alaska-cedar--Forests in which Alaska-cedar comprises the plurality of the stocking. Common associates are mountain or western hemlock, lodgepole pine, western redcedar, and occasionally Sitka spruce.

Black cottonwood—Forests in which cottonwood comprises the plurality of the stocking. Common associates are red alder and Sitka spruce.

Fir-spruce--Forests in which subalpine or Pacific silver fir in combination with Sitka spruce comprises the plurality of the stocking. Common associates are black cottonwood, mountain hemlock, and western hemlock.

Hemlock-spruce-Forests in which 50 percent or more of the stand is western hemlock or mountain hemlock and where Sitka spruce comprises 30-49 percent of the stocking. Common associates are Alaska-cedar, western redcedar, and occasionally cottonwood, red alder, or lodgepole pine.

Lodgepole pine--Forests in which lodgepole pine comprises the plurality of the stocking. Common associates are mountain hemlock, Alaska-cedar, and western hemlock.

Mountain hemlock—Forests in which mountain hemlock comprises the plurality of the stocking. Common associates are western hemlock and Alaska-cedar.

Other hardwoods—Forests in which noncommercial hardwoods, such as willow and alder other than red alder, comprise the plurality of the stocking. Common associates are black cottonwood and Sitka spruce.

Other softwoods—Forests in which noncommercial softwoods, such as Pacific yew, and junipers comprise the plurality of the stocking. Common associates are Alaska—cedar and mountain hemlock.

Pacific silver fir-Forests in which Pacific silver fir comprises the plurality of the stocking. Common associates are black cottonwood, Sitka spruce, mountain hemlock, and western hemlock.

Red alder--Forests in which red alder comprises the plurality of the stocking. Common associates are black cottonwood, Sitka spruce, western hemlock, and occasionally western redcedar and/or Alaska-cedar.

Sitka spruce—Forests in which Sitka spruce comprises the plurality of the stocking. Common associates are western hemlock, western redcedar, and occasionally cottonwood, red alder, and Alaska-cedar.

Subalpine fir--Forests in which subalpine fir comprises the plurality of the stocking. Common associates are black cottonwood, Sitka spruce, mountain hemlock, and western hemlock.

True fir--Forests in which Pacific silver fir and subalpine fir comprise the plurality of the stocking. Common associates are black cottonwood, Sitka spruce, mountain hemlock, and western hemlock.

Western hemlock--Forests in which western hemlock comprises the plurality of the stocking. Common associates are Sitka spruce, Alaska-cedar, western redcedar, mountain hemlock, and occasionally cottonwood, red alder, or lodgepole pine.

Western redcedar—Forests in which western redcedar comprises the plurality of the stocking. Common associates are Sitka spruce, western hemlock, Alaska—cedar, and occasionally cottonwood, red alder, and mountain hemlock. Gross growth—Net annual growth plus the annual growth on mortality.

Growing stock trees--All live trees except cull trees.

Growing stock volume—Net volume in cubic feet of live sawtimber and poletimber growing stock trees from stump to a minimum 4.0-inch (10-cm) top (of central stem) outside the bark. Net volume equals gross volume less deductions for rot and missing bole sections.

Growth--See net annual growth, gross growth, and ingrowth.

Hardwoods--(1) Trees that are angiosperms, usually broad-leaved and often deciduous. (2) Forests predominantly cottonwood or red alder, singly or in combination.

<u>Ingrowth</u>—The net volume of trees that grew into poletimber or sawtimber growing stock during a specified year.

Inoperable timberland—Includes areas of timberland that are presently inoperable because of marginal volume (usually less than 20,000 board feet per acre) or rough, rocky, cliffy, or otherwise broken terrain. This also includes pockets of high volume timberland that are isolated or more than one-fourth mile (396 m) from operable timberland areas. (Also see operable timberland.)

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

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

<u>Land class</u>—A classification of land by major use, such as timberland, other forest, and nonforest. The minimum size area for classification is 1 acre (0.4 ha).

<u>Log grades</u>—A classification of logs based on external characteristics as indicators of quality or value.

<u>Management blocks</u>--Units delineated for timber management by the National Forest System of the USDA Forest Service, usually oriented to islands and/or watershed complexes.

Mean annual increment (MAI)—A measure of the productivity of forest land in terms of the average increase in cubic-foot volume per acre per year. The FIA minimum standard for timberland is the ability to produce 20 cubic feet per acre  $(1.4 \text{ m}^3/\text{ha})$  per year.

Merchantable height—Height of a tree expressed in the number of 16-foot (5-m) logs to a merchantable top.

Merchantable saw log—For softwood sawtimber, a merchantable saw log must be at least 12 feet (3.6 m) long to a minimum top of 7.0 inches (18 cm) outside the bark or to a top diameter inside the bark that is 40 percent of d.b.h. At least one—third of its board—foot volume must be in sound, recoverable wood. For hardwood sawtimber, a merchantable saw log must be at least 8 feet (2.5 m) long to a minimum top of 9.0 inches (23 cm) outside the bark or to a top diameter inside the bark that is 40 percent of d.b.h. At least half its board—foot volume must be in sound, recoverable wood.

Merchantable stem--For softwoods, the portion of the tree between the 1-foot (0.3-m) stump and either the top diameter of 7.0 inches (18 cm) outside the bark or to a top diameter inside the bark that is 40 percent of d.b.h., whichever is larger. For hardwoods, the portion of the tree between the 1-foot stump and either the top diameter of 9.0 inches (23 cm) outside the bark or to a top diameter inside the bark that is 40 percent of d.b.h., whichever is larger.

Merchantable top—The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum merchantable top is 7.0 inches (18 cm) outside the bark for softwoods, and 9.0 inches (23 cm) outside the bark for hardwoods.

Merchantable tree—A merchantable tree must be producing or be capable of producing at least one merchantable saw log which is at least 50-percent sound for hardwoods or 33-percent sound for softwoods, board-foot measure. All poletimber that is less than 50-percent sound, cubic-foot measure, and all saplings with any sign of rot are not considered merchantable trees, but rotten culls. All trees that are of such poor form that they will never produce a merchantable saw log are not classed as merchantable trees, but as sound culls or rough trees.

Mortality--Number of or the sound wood volume from live trees dying from natural causes during a specified period.

Mortality of growing stock—The volume of sound wood in live sawtimber and poletimber trees dying annually from natural causes during a specified period.

Mortality of sawtimber -- The net board-foot volume of sawtimber trees dying annually from natural causes during a specified period.

Mortality tree—On plots being measured for the first time, a tree of commercial species at least 1 inch (2.54 cm) in d.b.h. or larger that has died within the past 5 years; on plots being remeasured, a tree of commercial species at least 1 inch in d.b.h. that has died since the previous measurement was made.

Net annual growth—The increase in net volume of wood for growing stock trees during a specified year. Components of net annual growth are: (a) the increment in net volume of trees alive at the beginning of the specified year, including that on periodic mortality, plus (b) the net volume of trees reaching sawtimber or poletimber size during the year, minus (c) the net volume of trees that died during the year, minus (d) the net volume lost to tree decay during the year.

<u>Net volume</u>--The gross volume of a tree less deductions for rot, sweep, or other defect affecting product use.

Non-Census water--Areas of water classed as land area by the Bureau of the Census, but that are either 1-40 acres (0.4-16 ha) in area or have a minimum width of 120 feet (36 m) and a maximum width of one-eighth mile (200 m). (Also see Census water.)

Noncommercial species—Tree species of typically small size, poor form, or inferior quality that normally is not suitable for industrial products.

Nonforest land--Land that does not qualify as forest land. Includes land that has never supported forests and lands formerly forested where forest use is precluded by development for nonforest uses. Included are lands used for agricultural crops, improved pasture, residential areas, and city parks, improved roads, operating railroads and their right-of-way clearings, and pipeline clearings. If intermingled in forest areas, unimproved roads, streams, canals, and nonforest strips must be more than 120 feet (36 m) wide, and clearings or other areas must be lacre (0.4 ha) or larger to qualify as nonforest land.

Nonstocked land--Timberland less than 16.7 percent stocked with growing stock trees.

Old-growth stands--Stands with at least 50 percent of the live-tree stocking per acre comprised of old-growth trees.

Old-growth trees--Trees that have reached or passed the age of physiological maturity, assumed to be 150 years for coastal Alaska.

Operable timberland—All timberland considered silviculturally and economically operable. This includes areas on stable soils, on slopes that are not too steep to log without causing serious site damage, and stands valuable enough to pay the logging costs using the methods and costs in effect at the time of the inventory. Stands that require new, undeveloped logging methods are not in the operable class.

Other forest land--Unproductive forest land incapable of yield-ing crops of industrial wood because of adverse site conditions. This includes sterile or poorly drained forest land, subalpine forests, and steep rocky areas where topographic conditions are likely to prevent management for timber production indefinitely. In coastal Alaska, this includes forest lands that are not capable of producing 8,000 board feet per acre (net International 1/4-inch rule).

<u>Poletimber stands</u>—Stands at least 16.7 percent stocked with growing stock trees, with half or more of this stocking in poletimber and sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

Poletimber trees--Growing stock trees 5.0 to 10.9 inches (12.5 to 27.5 cm) in d.b.h.

Quality saw log--See merchantable saw log.

Reserved forest land -- Forest land withdrawn from timber utilization through statute or administrative regulation.

Rotten trees--Live trees at least 5 inches (12.7 cm) in d.b.h. that do not contain a saw log and are not likely to, primarily because of rot.

Rotten cull trees--Live trees that do not contain a merchant-able saw log and are not likely to, primarily because of rot.

Rough trees—Live trees that do not contain a merchantable saw log and are not likely to, primarily because of roughness, poor form, or they are noncommercial species.

Salvable dead trees—Standing or down dead trees of commercial species at least 11.0 inches (28 cm) in d.b.h., containing at least 50 percent of their volume in sound wood, and with at least one merchantable saw log.

Sapling stands--See seedling and sapling stands.

Sapling trees—Trees 1.0 to 4.9 inches (2.5 to 12.5 cm) in d.b.h.

Saw log-A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet (2.5 m) long, sound and straight, and with a minimum small-end diameter of 6.0 inches (15 cm) inside the bark for softwoods and 8.0 inches (20 cm) for hardwoods.

Saw-log portion -- The bole of sawtimber trees between the stump and the saw-log top.

Saw-log top- The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum top diameter is 7.0 inches (18 cm) outside the bark for softwoods and 9.0 inches (23 cm) inches outside the bark for hardwoods.

Sawtimber stands—Stands at least 16.7 percent stocked with growing stock trees, with half or more of this stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to that of poletimber.

Sawtimber trees--Growing stock trees at least 11.0 inches (28 cm) in d.b.h.

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

Scribner, bureau scale -- A common timber scaling rule using 32-foot log lengths.

<u>Scribner rule</u>—The common board—foot timber scaling rule used locally in determining volume of sawtimber.

<u>Seedling and sapling stands</u>--Stands at least 16.7 percent stocked with growing stock trees and with saplings and/or seedlings comprising more than half this stocking.

Seedling- An established tree less than 1.0 inch (2.5 cm) in d.b.h.

<u>Site class</u>--A classification of forest land based on its capacity to grow crops of industrial wood.

<u>Softwoods</u>—Coniferous trees, usually evergreen with needles or scalelike leaves. Species in coastal Alaska are Sitka spruce, western hemlock, mountain hemlock, Alaska—cedar, western redcedar, lodgepole pine, Pacific silver fir, subalpine fir, and Pacific yew.

Sound cull tree--See rough tree.

Stand age class--A classification of forest land based on the predominant age of trees in a given stand.

Stand size class—A classification of forest land based on the predominant size of timber present: sawtimber, poletimber, or seedlings and saplings.

Stocking—A measure of the area occupied by trees of specified classes. FIA forest inventories consider three categories of stocking: all live trees, growing stock trees, and desirable trees. Stocking of all live trees is used to delineate forest land and forest types. Stocking of growing stock trees is used in classifications of stand size and stand age. Stocking of desirable trees is used to delineate area condition classes.

Stump height--For all timber volume estimates, 1 foot (0.3 m).

<u>Timber harvest</u>--Volume of roundwood removed from forest land for products.

<u>Timberland</u>—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization. Areas qualifying as timberland could produce in excess of 20 cubic feet per acre (1.4 m³/ha) per year of industrial wood under management. In old-growth forests of coastal Alaska, this is equated to stands that could produce 8,000 board feet per acre (net International 1/4-inch rule).

Tree size class--A classification of sawtimber trees, poletimber trees, saplings, and seedlings based on the diameter at breast height.

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

Volume of growing stock--Volume of sound wood in the bole of live growing stock sawtimber and poletimber trees from stump to a minimum 4.0-inch (10-cm) top outside the bark or to the point where the central stem breaks into limbs.

<u>Volume of salvable dead sawtimber-sized trees--Net volume of standing or down, dead, sawtimber-sized trees that contain 50-percent sound board-foot volume.</u>

<u>Volume of sawtimber</u>—Net volume of the saw-log portion of live growing stock sawtimber trees, expressed in board feet.

Water -- See Census water and non-Census water.

Young-growth stands--Stands with at least 50 percent of the live-tree stocking per acre comprised of young-growth trees.

Young-growth trees--Trees that have not passed the age of physiological maturity, assumed to be 150 years for coastal Alaska.

# Names of Trees 6/

#### Common name

### Scientific name

#### Softwoods:

Alaska-cedar

Fir, Pacific silver Fir, subalpine Hemlock, mountain Hemlock, western Pine, lodgepole Redcedar, western Spruce, Sitka Yew, Pacific Chamaecyparis nootkatensis
(D. Don) Spach
Abies amabilis (Dougl.) Forbes
A. lasiocarpa (Hook.) Nutt.
Tsuga mertensiana (Bong.) Carr.
T. heterophylla (Raf.) Sarg.
Pinus contorta Dougl.
Thuja plicata Donn
Picea sitchensis (Bong.) Carr.

#### Hardwoods:

Alder, red
Cottonwood, black
Willow, Barclay
Willow, Bebb
Willow, feltleaf
Willow, grayleaf
Willow, hooker
Willow, Sitka
Willow, Pacific

Alnus rubra Bong.

Populus trichocarpa Torr. & Gray
Salix barclayi Anderss.

- S. bebbiana Sarg.
- S. alaxensis (Anderss.) Cov.
- S. glauca L.
- S. hookeriana Barratt

Taxus brevifolia Nutt.

- S. sitchensis Sanson
- S. lasiandra Benth.

6/Scientific names are according to Viereck and Little (1972).

## Tables

Estimates in this report are developed from statistically based samples and therefore are subject to sampling error. Sampling errors for estimates of various sizes are presented in the section "Reliability of Inventory Data."

TABLE 1--AREA OF FOREST LAND BY FOREST TYPE AND FOREST LAND CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973 1/

FOREST TYPE	TIMBERLAND	OTHER FOREST	ALL CLASSES
	ТН	OUSAND ACR	ES
SOFTWOODS:			
SITKA SPRUCE	103.10		103.10
HEMLOCK-SITKA SPRUCE	93.36	11.79	105.15
WESTERN REDCEDAR	257.88	82.20	340.08
WESTERN HEMLOCK	817.89	306.30	1,124.19
MOUNTAIN HEMLOCK	46.94	141.50	188.44
ALASKA-CEDAR	58.67	176.59	235.26
LODGEPOLE PINE		58.90	58.90
OTHER SOFTWOODS			
TOTAL	1,377.84	777.28	2,155.12
HARDWOODS:			
BLACK COTTONWOOD			
RED ALDER			
OTHER HARDWOODS			
TOTAL			
ALL TYPES	1,377.84	777.28	2,155.12

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

TABLE 2--AREA BY LAND CLASS AND MANAGEMENT SLOCK, PRINCE OF WALES UNIT, SOUTHBAST COASTAL ALAEKA, 1973 1/

LAND CLASS	KPC	MAYBESO	GALEA	CORONATION	SEA OTTER	LULU	SAN JUAN	CRAIG	DAHL	HYDABURG	LONG	SKOWL	ALL 8LOCKS
							ACRES						
TIMBERLAND:													
S88DLING AND SAPLING,													
AND NONSTOCKED	54,880				19,057			4,184	10,475	10,475		10,475	109,54
POLETIMBER			11,735										11,73
SAWTIMBER VOLUME													
STRATA 2/													
8,000-20,000	187,748	11,735	35,202	11,734	11,734	23,468		70,409	23,469	70,405	11,734	82,140	539,77
20,001-30,000	128,534	11,460	11,460		23,471	23,471		35,204	35,206	34,654	11,735	34,928	350,12
30,001-50,000	59,816	1,139	11,735	11,734	11,735	11,735		82,147	11,735		23,471	58,675	283,92
50,001 OR MORE	47,530							11,735	11,735	11,735			82,73
TOTAL	478,508	24,334	70,132	23,468	65,997	58,674		203,679	92,620	127,269	46,940	186,218	1,377,83
OTHER FOREST LAND:													
ROCKY													_
LOW VOLUME 3/	46,994		11,734	11.734	11,792			11,792	23,526	47,110	23,468	70,694	258,84
MUSKEG FOREST	188,613		23.584					70,578		47,110		47,052	376,93
HIGH ELEVATION FOREST	23,583						11,792	23,584	47,168		11,792	23,584	141,50
SLID8 ZONE													-
OTHER NONPRODUCTIVE					~~								-
TOTAL	259,190		35,318	11,734	11,792		11,792	105,954	70,694	94,220	35,260	141,330	777,28
NONFOR8ST:													
FARMS AND GRASSLANDS													
ALDER SHRUBLAND	22,221												22,22
NON-ALDER SHRUBLAND	11,111											11,111	22,22
ALPINE HEADOW	,	11,111						11,111				,	22,22
MUSKEG MEADOW	11,111	,			11.111							11.111	33,33
URBAN AND OTHER												,	-
ALPINE ROCK												11,111	11,11
ICE AND SNOWFIELDS												,	
TOTAL	44,443	11,111			11,111			11,111				33,333	111,100
NON-CENSUS WATER 4/		,			,			,	5,483	5,483		5,483	16,44
									-,				,
ALL LANDS	782,141	35,445	105,450	35,203	88,900	58,674	11,792	320,744	168,797	226,971	82,199	366,362	2,282,678

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>2/</sup> Soard feet, Scribner scale, except base value of 8,000 board feet, which is International 1/4-inch rule.

 $<sup>\</sup>underline{3}\text{/}$  Less than 8,000 board feet per acre, International 1/4-inch rule.

<sup>4/</sup> Water as classified by Forest Inventory and Analysis standards.

TABLE 3--NUMBER OF GROWING STOCK TREES ON TIMBERLAND 8Y SPECIES AND DIAMETER CLASS, PRINCE OF WALES UNIT, SDUTHEAST CDASTAL ALASKA, 1973  $\underline{1}/$ 

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
SPECIES	SEEDLINGS LESS THAN 1.0	1.0-	11.0- 20.9	21.0- 30.9	31.0- 40.9	41.0- 50.9	51.0 AND LARGER	ALL CLASSES	
				THOUSAND TRE	ES				
SOFTWOODS:									
ALASKA-CEDAR	31,446.73	22,792.23	5,843.33	1,667.96	101.51			61,851.79	
SITKA SPRUCE	502.741.46	41,588.20	5,222.80	2,210.87	1.130.06	466.94	314.01	553,674.3	
LODGEPOLE PINE	1,075.76	1,490.79	434.86	26.75				3,028.1	
WESTERN REDCEDAR	66,420.93	23,492.31	9,493.77	3,922.70	998.95	172.54	25.94	104,527.1	
WESTERN HEMLOCK	2,968,032.74	304,086.88	37,445.18	10,495.77	3,161.58	713.93	27.12	3,323,963.1	
MOUNTAIN HEMLDCK	61,856.50	23,069.25	3,802.10	585.65	45.55		aller gen	89,359.0	
TDTAL	3,631,574.16	416,519.65	62,242.04	18,909.70	5,437.65	1,353.40	367.06	4,136,403.6	
ARDWOODS:									
RED ALDER	537.94	5,251.59	260.88					6,050.4	
BLACK CDTTDNWDDD								-	
DTHER HARDWDDDS	-								
TOTAL	537.94	5,251.59	260.88	_				6,050.4	
LL SPECIES	3,632,112.10	421,771.24	62,502.92	18,909.70	5,437.65	1,353.40	367.06	4,142,454.0	

TABLE 4--NUMBER OF GROWING STOCK TREES ON OLD-GROWTH TIMBERLAND BY SPECIES AND DIAMETER CLASS, PRINCE DF WALES UNIT, SOUTHEAST CDASTAL ALASKA, 1973 1/

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
SPECIES	SEEDLINGS LESS THAN 1.0	1.0-	11.0-	21.0-	31.0-	41.0-	51.0 AND	ALL CLASSES	
				THOUSAND TRE					
				THOUSAND TRE	65				
SOFTWOODS:									
ALASKA-CEDAR	29,045.88	22,792.23	5,843.33	1,667.96	101.51			59,450.9	
SITKA SPRUCE	410,645.56	20,403.39	4,815.69	1,974.87	1,064.10	430.91	301.60	439,636.1	
LDDGEPDLE PINE	1,075.76	1,490.79	434.86	26.75				3,028.1	
WESTERN REDCEDAR	62,858.09	23,492.31	9,420.54	3,893.83	998.95	172.54	25.94	100,862.2	
WESTERN HEMLDCK	2,720,327.53	274,261.58	36,326.92	10,309.73	3,123.38	706.18	27.12	3,045,082.4	
MOUNTAIN HEMLDCK	61,856.50	23,069.25	3,802.10	585.65	45.55			89,359.0	
TOTAL	3,285,809.31	365,509.54	60,643.45	18,458.79	5,333.49	1,309.63	354.66	3,737,418.8	
HARDWDDDS:									
RED ALDER	537.94	5,251.59	213.23					6,002.7	
8LACK COTTONWOOD								-	
OTHER HARDWODDS		~-						-	
TOTAL	537.94	5,251.59	213.23					6,002.7	
ALL SPECIES	3,286,347.26	370,761.13	60,856.68	18,458.79	5,333.49	1,309.63	354.66	3,743,421.6	

<sup>--</sup> = no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

<sup>--- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 5--NUMBER OF GROWING STOCK TREES ON YOUNG-GROWTH TIMBERLAND 8Y SPECIES AND OLAMETER CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}/$ 

			Olameter CLAS	(INCHES AT	8REAST HEIGH	T)		
SPEC1ES	SEEOLINGS LESS THAN 1.0	1.0- 10.9	11.0- 20.9	21.0- 30.9	31.0- 40.9	41.0- 50.9	51.0 ANO LARGER	ALL CLASSES
				"HOUSAND TREE	s			
SOFTWOOOS:								
ALASKA-CEOAR	2,400.88							2,400.88
SITKA SPRUCE	92,095.90	21,184.81	407.11	235.99	65.96	36.03	12.40	114,038.2
LODGEPOLE PINE								
WESTERN REDCEOAR	3,562.84		73.23	28.87				3,664.94
WESTERN HEMLOCK	247,705.22	29,825.30	1,118.25	186.04	38.23	7.72		278,880.76
MOUNTAIN HEMLOCK		~ *						
TOTAL	345,764.84	51,010.11	1,598.60	450.91	104.19	43.74	12.40	398,984.79
HAROWOOOS:								
REO ALOER			47.65	***				47.65
8LACK COTTONWOOO								
OTHER HAROWOODS								-
TOTAL			47.65					47.65
ALL SPECIES	345,764.84	51,010.11	1,646.24	450.91	104.19	43.74	12.40	399,032.43

TABLE 6--NUMBER OF GROWING STOCK MORTALITY TREES PER YEAR ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}/$ 

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
SPECIES	1.0-	11.0- 20.9	21.0- 30.9	31.0- 40.9	41.0- 50.9	51.0 AND LARGER	ALL CLASSES		
	THOUSAND TREES								
SOFTWOODS:									
ALASKA-CEDAR	142.92	36.50	190.69	13.38			383.48		
SITKA SPRUCE	1,241.94	220.62	31.92	74.28			1,568.76		
LODGEPOLE PINE									
WESTERN REDCEDAR		76.98	63.32	24.76			165.06		
WESTERN HEMLOCK	3,352.12	1,527.13	532.01	120.63		4.09	5,536.00		
MOUNTAIN HEMLOCK	134.47	53.86					188.33		
TOTAL	4,871.45	1,915.09	817.93	233.05		4.09	7,841.63		
HARDWOODS:									
RED ALDER									
BLACK COTTONWOOD									
OTHER HARDWOODS									
TOTAL			also solve						
ALL SPECIES	4,871.45	1,915.09	817.93	233.05		4.09	7,841.63		

<sup>-- =</sup> no dats were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 7--NET VOLUME OF GROWING STOCK ON TIMBERLAND, IN CUBIC FEET AND VOLUME PER ACRE, BY FOREST TYPE AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}$ /

	SAWTI	MBER				
FOREST TYPE AND UNIT	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLINGS AND SAPLINGS	NONSTOCKED	ALL CLASSES
TRUE FIR: 2/						
FT <sup>3</sup>						
ACRES						
FT <sup>3</sup> /ACRE						-
HEMLOCK-SPRUCE:						
FT <sup>3</sup>	526,691,488			0		526,691,488
ACRES	72,413			20,950		93,363
FT <sup>3</sup> /ACRE	7,273			0		5,641
WESTERN REDCEDAR:	1 004 722 022				sales sales	1 004 722 022
	1,084,723,923					1,084,723,923
ACRES FT <sup>3</sup> /ACRE	257,884					257,884
FT ACRE	4,206				status come	4,206
SITKA SPRUCE:						
	424,089,427	49,940,680	34,364,591	7,599,131		515,993,830
ACRES	58,674	11,735	11,735	20,950		103,095
FT <sup>3</sup> /ACRE	7,228	4,256	2,928	363		5,005
HOUNTAIN HEMLOCK:						
FT <sup>3</sup>	149,597,489					149,597,489
ACRES	46,935			***		46,935
FT <sup>3</sup> /ACRE	3,187					3,187
WESTERN HEMLOCK:						
FT <sup>3</sup>	4,860,617,766	124,272,380		21,467,618		5,016,357,651
ACRES	738,508	11,735		67,647		892,024
FT <sup>3</sup> /ACRE	6,582	10,590		317		5,624
ALASKA CEDAR:						
FT <sup>3</sup>	262,414,710					262,414,710
ACRES	58,670					58,670
FT <sup>3</sup> /ACRE	4,473	self-refu				4,473
LODGEPOLE PINE:						
FT <sup>3</sup>						
ACRES						
FT <sup>3</sup> /ACRE						
RED ALDER:						
FT3						
ACRES						
FT <sup>3</sup> /ACRE		<b></b>				
BLACK COTTONWOOD:						
FT <sup>3</sup>						
ACRES FT <sup>3</sup> /ACRE	 					
ALL TYPES:						
FT <sup>3</sup>	7,308,133,996	174,213,064	34,364,591	39,066,749		7,555,778,438
ACRES	1,233,087	23,470	11,735	109,547		1,377,841

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

<sup>2/</sup> Subalpine fir and Pacific silver fir.

TABLE 8--NET VOLUME OF SAWTIMBER ON TIMBERLAND, IN BOARD FEET INTERNATIONAL 1/4-INCH RULE AND VOLUME PER ACRE, BY FOREST TYPE AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}$ /

FOREST TYPE	SAWTI	MBER				
AND UNITS	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLINGS AND SAPLINGS	NONSTOCKED	ALL CLASSES
TRUE FIR: 2/						
FBM 3/						_
ACRES						_
FBM/ACRE						-
HEMLOCK-SPRUCE:						
FBM	2,694,193,952			0		2,694,193,95
ACRES	72,413			20,950		93,36
FBM/ACRE	37,206			0		28,85
WESTERN REDCEDAR:						
FBM	4,206,657,600					4,206,657,60
ACRES	257,884					257,88
FBM/ACRE	16,312					16,31
SITKA SPRUCE:						
FBM	2,208,714,284	284,106,608	72,055,424	33,835,277		2,598,711,52
ACRES	58,674	11,735	11,735	20,950		103,09
FBM/ACRE	37,644	24,210	6,140	1,615		25,20
HOUNTAIN HEMLOCK:						
FBM	585,643,558					585,643,55
ACRES	46,935					46,93
FBM/ACRE	12,478					12,47
WESTERN HEMLOCK:						
FBM	23,428,445,465	629,528,140		46,405,274		24,104,378,43
ACRES	738,508	11,735		67,647		892,02
FBM/ACRE	31,724	53,645		685		27,02
ALASKA CEDAR:						
FBM	986,711,468					986,711,46
ACRES	58,670					58,67
FBM/ACRE	16,817		one con			16,81
LODGEPOLE PINE:						
FBM						-
ACRES						_
FBM/ACRE						-
RED ALDER:						
FBM						_
ACRES						_
FBM/ACRE						_
BLACK COTTONWOOD:						
FBM	gate ages					_
ACRES			cope death			_
FBM/ACRE						-
ALL TYPES:						
FBM	34,110,363,897	913,634,752	72,055,424	80,240,550		35,176,294,61
ACRES	1,233,087	23,470	11,735	109,547		1,377,84
FBM/ACRE	27,663	38,928	6,140	732		25,530

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

<sup>2/</sup> Subalpine fir and Pacific silver fir.

<sup>3</sup>/ FBM = board-foot measure, International 1/4-inch rule.

TABLE 9--NET VOLUME OF TIMBER, CUBIC FEET, ON TIMBERLAND BY CLASS OF TIMBER AND BY SOFTWOODS AND HARDWOODS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}/$ 

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
		MILLION CUBIC FEET	
SAWTIMBER TREES:			
SAW-LOG PORTION	6,876.22	5.85	6,882.07
UPPER-STEM PORTION	173.61	.24	173.84
TOTAL	7,049.82	6.09	7,055.92
POLETIMBER TREES	486.52	13.34	499.87
ALL GROWING STOCK	7,536.34	19.44	7,555.78
ROUGH TREES	2.27		2.27
ROTTEN TREES	405.13	.05	405.19
SALVABLE DEAD TREES	160.82		160.82
ALL TIMBER	8,104.57	19.49	8,124.06

<sup>-- =</sup> no data were collected.

<sup>1</sup>/ Totals may be off because of rounding.

TABLE 10--NET VOLUME OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973 1/2

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)									
SPECIES	11.0-20.9	21.0- 30.9	31.0- 40.9	41.0- 50.9	51.0 AND LARGER	ALL CLASSES				
	MILLION BOARD FEET									
SOFTWOODS:										
ALASKA-CEDAR	543.87	556.74	50.95			1,151.56				
SITKA SPRUCE	1,106.61	1,895.91	2,266.05	1,593.36	2,003.76	8,865.70				
LODGEPOLE PINE	126.65	12.42				139.07				
WESTERN REDCEDAR	852.56	1,185.35	608.26	176.47	40.93	2,863.56				
WESTERN HEMLOCK	7,285.96	7,660.76	4,623.67	1,585.56	91.50	21,247.44				
MOUNTAIN HEMLOCK	532.95	299.70	51.05			883.70				
TOTAL	10,448.61	11,610.87	7,599.98	3,355.39	2,136.19	35,151.03				
HARDWOODS:										
RED ALDER	25.27					25.27				
BLACK COTTONWOOD										
OTHER HARDWOODS										
TOTAL	25.27					25.27				
ALL SPECIES	10,473.88	11,610.87	7,599.98	3,355.39	2,136.19	35,176.30				

TABLE 11--NET VOLUME OF OLD GROWTH, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}$ /

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)									
SPECIES	11.0- 20.9	21.0- 30.9	31.0- 40.9	41.0- 50.9	51.0 AND LARGER	ALL CLASSES				
	MILLION BOARD FEET									
SOFTWOODS:										
ALASKA-CEDAR	543.87	556.74	50.95			1,151.56				
SITKA SPRUCE	1,017.48	1,697.36	2,135.57	1,439.29	1,931.18	8,220.88				
LODGEPOLE PINE	126.65	12.42				139.07				
WESTERN REDCEDAR	841.42	1,179.93	608.26	176.47	40.93	2,847.04				
WESTERN HEMLOCK	7,070.64	7,538.63	4,577.10	1,571.20	91.50	20,849.07				
MOUNTAIN HEMLOCK	532.95	299.70	51.05			883.70				
TOTAL	10,133.01	11,284.78	7,422.93	3,186.96	2,063.60	34,091.29				
HARDWOODS:										
RED ALDER	19.09					19.09				
BLACK COTTONWOOD										
OTHER HARDWOODS										
TOTAL	19.09					19.09				
ALL SPECIES	10,152.10	11,284.77	7,422.93	3,186.96	2,063.60	34,110.37				

<sup>--</sup> = no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>-- =</sup> no data were col'ected.

 $<sup>\</sup>underline{1}/$  Totals may be off because of rounding.

TABLE 12--NET VOLUME OF YOUNG GROWTH, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973 1/

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
SPECIES	11.0-20.9	21.0-	31.0- 40.9	41.0- 50.9	51.0 AND LARGER	ALL CLASSES			
			MILLION I	BOARD FEET					
SOFTWOODS:									
ALASKA-CEDAR									
SITKA SPRUCE	89.13	198.55	130.48	154.07	72.58	644.82			
LODGEPOLE PINE									
WESTERN REDCEDAR	11.14	5.42				16.5			
WESTERN HEMLOCK	215.32	122.13	46.56	14.36		398.3			
MOUNTAIN HEMLOCK									
TOTAL	315.60	326.09	177.05	168.43	72.58	1,059.74			
HARDWOODS:									
RED ALDER	6.19					6.19			
BLACK COTTONWOOD									
OTHER HARDWOODS									
TOTAL	6.19					6.19			
ALL SPECIES	321.78	326.09	177.05	168.43	72.58	1,065.93			

TABLE 13--NET VOLUME OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}/$ 

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
SPECIES	5.0- 10.9	11.0-	21.0-	31.0- 40.9	41.0- 50.9		ALL CLASSES		
			MIL	LION CUBIC FE					
SOFTWOODS:									
ALASKA-CEDAR	41.83	148.85	129.05	11.31			331.03		
SITKA SPRUCE	35.85	228.61	335.18	380.01	268.86	345.92	1,594.43		
LODGEPOLE PINE	1.42	24.09	2.59				28.1		
WESTERN REDCEDAR	48.84	257.29	304.37	143.33	38.14	8.26	800.23		
WESTERN HEMLOCK	329.16	1,526.70	1,477.15	895.50	314.49	17.19	4,560.19		
MOUNTAIN HEMLOCK	29.42	121.62	61.16	10.14			222.3		
TOTAL	486.52	2,307.17	2,309.51	1,440.29	621.49	371.37	7,536.34		
HARDWOODS:									
RED ALDER	13.35	6.09					19.44		
BLACK COTTONWOOD			-	-					
OTHER HARDWOODS									
TOTAL	13.35	6.09					19.44		
ALL SPECIES	499.87	2,313.26	2,309.51	1,440.29	621.49	371.37	7,555.78		

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 14--NET VOLUME OF OLD GROWTH, CUBIC FEET, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}/$ 

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)									
SPECIES	5.0-	11.0-20.9	21.0-30.9	31.0- 40.9	41.0-50.9	51.0 AND LARGER	ALL CLASSES			
	MILLION CUBIC FEET									
SOFTWOODS:										
ALASKA-CEDAR	41.83	148.85	129.05	11.31			331.03			
SITKA SPRUCE	23.29	211.54	302.44	357.46	243.42	333.84	1,471.99			
LODGEPOLE PINE	1.43	24.09	2.59				28.11			
WESTERN REDCEDAR	48.84	254.18	302.89	143.33	38.14	8.26	795.63			
WESTERN HEMLOCK	289.04	1,482.71	1,453.97	886.68	311.51	17.19	4,441.11			
MOUNTAIN HEMLOCK	29.42	121.62	61.16	10.14			222.35			
TOTAL	433.85	2,242.99	2,252.10	1,408.92	593.07	359.29	7,290.22			
HARDWOODS:										
RED ALDER	13.35	4.57					17.92			
BLACK COTTONWOOD										
OTHER HARDWOODS										
TOTAL	13.35	4.57					17.92			
ALL SPECIES	447.20	2,247.56	2,252.10	1,408.92	593.07	359.29	7,308.14			

TABLE 15--NET VOLUME OF YOUNG GROWTH, CUBIC FEET, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}/$ 

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
SPECIES	5.0- 10.9	11.0- 20.9	21.0- 30.9	31.0- 40.9	41.0- 50.9	51.0 AND LARGER	ALL CLASSES		
	MILLION CUBIC FEET								
SOFTWOODS: ALASKA-CEDAR SITKA SPRUCE	 12.56	 17.08	32.74	22.55	 25.43	12.09	122.44		
LODGEPOLE PINE WESTERN REDCEDAR WESTERN HEMLOCK MOUNTAIN HEMLOCK	40.11	3.12 43.99	1.49 23.18	8.82 	2.98		4.60 119.08		
TOTAL	52.67	64.18	57.41	31.37	28.41	12.09	246.12		
HARDWOODS: RED ALDER BLACK COTTONWOOD OTHER HARDWOODS		1.52					1.52		
TOTAL		1.52					1.52		
ALL SPECIES	52.67	65.67	57.41	31.37	28.41	12.09	247.64		

<sup>-- =</sup> no data were colected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}/$  Totals may be off because of rounding.

TABLE 16--NET ANNUAL GROWTH OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY SPECIES AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973 1/

SPECIES	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	CLASSES
		Т	HOUSAND CUBIC	FEET	
SOFTWOODS:					
ALASKA-CEDAR		14.38		892.85	907.23
SITKA SPRUCE		194.25	1,437.80	2/-10,259.13	-8,627.07
LODGEPOLE PINE		1.78		126.13	127.91
WESTERN REDCEDAR		129.13	7.77	996.82	1,133.72
WESTERN HEMLOCK		136.19	251.29	-58,657.93	-58,270.48
MOUNTAIN HEMLOCK				-618.82	-618.82
TOTAL		475.73	1,696.86	-67,520.10	-65,347.5
HARDWOODS:					
RED ALDER			109.89	2.53	112.42
BLACK COTTONWOOD					
OTHER HARDWOODS					
TOTAL			109.89	2.53	112.42
ALL SPECIES		475.73	1,806.75	-67,517.57	-65,235.08

TABLE 17--NET ANNUAL GROWTH OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973 1/4

SPECIES	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
			THOUSAND BOARD	FEET	
SOFTWOODS:					
ALASKA-CEDAR		21.17		2,369.23	2,390.40
SITKA SPRUCE		249.24	8,910.19	2/-82,341.38	-73,181.96
LODGEPOLE PINE		701.87		268.16	970.03
WESTERN REDCEDAR		132.58	34.44	-498.59	-331.58
WESTERN HEMLOCK		1,325.28	2,841.80	-336,232.65	-332,065.57
MOUNTAIN HEMLOCK	-~			675.64	675.64
TOTAL		2,430.13	11,786.43	-415,759.60	-410,543.04
HARDWOODS:					
RED ALDER			679.50	8.46	687.96
BLACK COTTONWOOD					
OTHER HARDWOODS					
TOTAL			679.50	8.46	687.96
ALL SPECIES		2,430.13	12,465.93	-415,751.14	-400,855.08

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

 $<sup>\</sup>underline{\textit{2}}\textsc{/}$  Negative net annual growth indicates that annual mortality exceeded gross annual growth.

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

 $<sup>\</sup>underline{\textit{2}}\textsc{/}$  Negative net annual growth indicates that annual mortality exceeded gross annual growth.

TABLE 18--NET ANNUAL GROWTH OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973 1/

FOREST TYPE	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
			THOUSAND CUBIC	FEET	
HEMLOCK-SPRUCE		201.48	522.78	1,250.69	1,974.95
WESTERN REDCEDAR				2,623.62	2,623.62
SITKA SPRUCE		274.25	1,074.94	$\frac{2}{-3}$ ,505.85	-2,156.66
MOUNTAIN HEMLOCK			ton the		
WESTERN HEMLOCK			209.04	-68,050.75	-67,841.71
ALASKA-CEDAR				164.71	164.71
LODGEPOLE PINE					
RED ALDER					
BLACK COTTONWOOD	mate some				
ALL TYPES		475.73	1,806.75	-67,517.57	-65,235.09

TABLE 19--NET ANNUAL GROWTH OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}$ /

	SEEDLING		YOUNG-GROWTH	OLD-GROWTH	ALL
FOREST TYPE	AND SAPLING	POLETIMBER	SAWTIMBER	SAWTIMBER	CLASSES
			THOUSAND BOARD	FEET	
HEMLOCK-SPRUCE		473.76	2,923.88	2/ -10,335.07	-6,937.4
WESTERN REDCEDAR				6,355.67	6,355.67
SITKA SPRUCE		1,956.36	8,840.86	-17,826.51	-7,029.29
MOUNTAIN HEMLOCK					
WESTERN HEMLOCK			701.20	-394,312.04	-393,610.84
ALASKA-CEDAR				386.82	386.83
LODGEPOLE PINE					
RED ALDER					
BLACK COTTONWOOD					
ALL TYPES		2,430.13	12,465.93	-415,751.13	-400,855.07

<sup>-- =</sup> no data were collected.

<sup>1</sup>/ Totals may be off because of rounding.

 $<sup>\</sup>underline{2}/$  Negative net annual growth indicates that annual mortality exceeded gross annual growth.

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

 $<sup>\</sup>underline{2}/$  Negative net annual growth indicates that annual mortality exceeded gross annual growth.

TABLE 20--AVERAGE ANNUAL MORTALITY OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY SPECIES AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}/$ 

SPECIES	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
		T	HOUSAND CUBIC	FEET	
SOFTWOODS:					
ALASKA-CEDAR				578.30	578.30
SITKA SPRUCE			352.84	19,580.71	19,933.55
LODGEPOLE PINE					
WESTERN REDCEDAR				531.89	531.89
WESTERN HEMLOCK			395.56	78,524.99	78,920.56
MOUNTAIN HEMLOCK				298.75	298.75
TOTAL		Marie 400 4 - 400 40 40 40 40 40 40 40 40 40 40 40 40	748.40	99,514.65	100,263.05
HARDWOODS:					
RED ALDER					
BLACK COTTONWOOD					
OTHER HARDWOODS					
TOTAL					
ALL SPECIES			748.40	99,514.65	100,263.09

<sup>-- =</sup> no data were collected.

<sup>1</sup>/ Totals may be off because of rounding.

TABLE 21--AVERAGE ANNUAL MORTALITY OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}$ /

SPECIES	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
		TH	DUSAND BOARD FE	ST	
SOFTWOODS:					
ALASKA-CEDAR				1,925.17	1,925.17
SITKA SPRUCE			2,492.45	116,705.02	119,197.47
LODGEPOLE PINE					-
WESTERN REDCEDAR				1,668.52	1,668.52
WESTERN HEMLOCK			1,501.30	404,393.03	405,894.33
MOUNTAIN HEMLOCK				1,318.37	1,318.37
TOTAL			3,993.76	526,010.11	530,003.87
HARDWOODS:					
RED ALDER					
BLACK COTTONWOOD					
OTHER HARDWOODS					
TOTAL				-	
ALL SPECIES			3,993.76	526,010.11	530,003.87

TABLE 22--AVERAGE ANNUAL MORTALITY OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973 1/

FOREST TYPE	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	CLASSES
		ТНО	USAND CUBIC FEE	r	
HEMLOCK-SPRUCE		-		6,234.87	6,234.87
WESTERN REDCEDAR				1,525.49	1,525.49
SITKA SPRUCE			488.06	6,046.66	6,534.72
TRUE FIR					
MOUNTAIN HEMLOCK					
WESTERN HEMLOCK			260.34	85,144.71	85,405.05
ALASKA-CEDAR				562.92	562.92
LODGEPOLE PINE					
RED ALDER					
BLACK COTTONWOOD		. –			
ALL TYPES			748.40	99,514.65	100,263.05

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}/$  Totals may be off because of rounding.

TABLE 23--AVERAGE ANNUAL MORTALITY OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, PRINCE OF WALES UNIT, SOUTHEAST COASTAL ALASKA, 1973  $\underline{1}$ /

FOREST TYPE	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
		5	THOUSAND BOARD	FEET	
HEMLOCK-SPRUCE				29,718.85	29,718.8
WESTERN REDCEDAR				5,671.09	5,671.0
SITKA SPRUCE			2,847.50	32,205.13	35,052.6
TRUE FIR					-
MOUNTAIN HEMLOCK	-			an- n-	
WESTERN HEMLOCK			1,146.25	456,203.02	457,349.2
ALASKA CEDAR				2,212.02	2,212.0
LODGEPOLE PINE					-
RED ALDER				die on	-
BLACK COTTONWOOD					-
ALL TYPES	~-		3,993.76	526,010.10	530,003.8

TABLE 24--SUMMARY OF TIMBER HARVEST, SCRIBNER AND INTERNATIONAL 1/4-INCH RULES, IN THE KETCHIKAN/CRAIG WORKING CIRCLE OF THE TONGASS NATIONAL FOREST, SOUTHEAST COASTAL ALASKA, 1974-80

YEAR OF HARVEST	VOLUME CUT, INTERNATIONAL 1/4-INCH RULE	VOLUME CUT SCRIBNER RULE, BUREAU SCALE 1/	VALUE
	THOUSAND BO	DARD FEET	DOLLARS
1974	240,057.82	201,648.57	\$ 656,103.79
1975	189,081.93	158,828.83	3,331,184.22
1976	247,495.12	207,895.90	4,810,687.85
1977	123,205.99	103,493.04	2,471,158.74
1978	208,330.77	174,997.85	4,203,710.94
1979	204,489.09	171,770.84	4,099,624.83
1980	214,595.98	180,260.63	12,986,718.33
TOTAL	1,427,256.70	1,198,895.66	32,559,188.70

<sup>1/</sup> Scribner, Bureau scale volume = International 1/4-inch volume x 0.84. (Bones, James E. Relating products output to inventory estimates on the Tongass Forest. Juneau, AK: Northern Forest Experiment Station; 1963. Office Report.)

<sup>--- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

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Inventory supervision by: Tongass National Forest, Ketchikan area--Mangus E. (Gene) Chelsted, Timber Management staff officer; Douglas A. Cronlund, field supervisor; Rex Baumback, R-10, technical assistance; Vernon J. LaBau, PNW, technical assistant.

Photo interpretation by: Douglas A. Cronlund and Richard M. Funk.

Field measurements by: Russell B. Beers, Douglas A. Cronlund, Richard M. Funk, George F. Hudak, Eugene E. Miller, Wayne L. Patterson, Laura Smith, and Richard Smith.

<u>Timber operability classification by</u>: Victor Baer and Edward Blankenship.

Office compilation by: George F. Hudak (Ketchikan); Vernon J. LaBau (Fort Collins, Colorado, now in Anchorage); David Jacobs and Patti Bassett, remeasurement edit and compilations (Portland); Marion Simons (Portland) and Gary Carroll (Anchorage), table and output compilations.

Statistical report prepared by: Willem W. S. van Hees and Vernon J. LaBau.

## Metric Equivalents

1 inch = 2.54 centimeters (cm)

1 foot = 0.3048 meter (m)

hectare (m<sup>2</sup>/ha)

1 mile = 1.609 kilometers (km)

1 acre = 0.4047 hectares (ha)

1 cubic foot = 0.0283 cubic meter ( $m^3$ )

1 cubic foot per acre = 0.07 cubic meter per hectare (m<sup>3</sup>/ha) 20 cubic feet per acre = 1.3994 cubic meters per hectare

(m<sup>3</sup>/ha)
1 square foot basal area per acre = 0.2296 square meter per

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Viereck, Leslie A.; Little, Elbert E., Jr. Alaska trees and shrubs. Agric. Handb. 410. Washington, DC: U.S. Department of Agriculture; 1972. 265 p. van Hees, Willem W. S.; LaBau, Vernon J. Timber resource statistics for the Prince of Wales inventory unit, Alaska, 1973. Resour. Bull. PNW-103. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1983. 30 p.

Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 1973 timber inventory of the Prince of Wales unit, Alaska. Timberland area is estimated at 1.38 million acres (557 593 ha), net growing stock volume at 7.56 billion cubic feet (214 million m³), and annual net growth and mortality at -65.24 and 100.26 million cubic feet (-1.85 and 2.84 million m³), respectively.

Keywords: Forest surveys, timber inventory, statistics (forest), resources (forest), Alaska (southeast).

The Forest Service of the U.S. Department of Agriculture is dedicated to the principle of multipleuse 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.

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# Timber Resource Statistics for Eastern Washington

Patricia M. Bassett and Daniel D. Oswald



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Portland, OR: U.S. Department of
Agriculture, Forest Service, Pacific
Northwest Forest and Range Experiment Station; 1983. 32 p.

This report summarizes a 1980 timber resource inventory of the 16 forested counties in Washington east of the crest of the Cascade Range. Detailed tables of forest area, timber volume, growth, mortality, and harvest are presented.

KEYWORDS: Forest surveys, statistics (forest), timber resources, resources (forest), Washington (eastern).

The eastern Washington resource area totals 26,966,000 acres (10 913 000 ha), of which an estimated 9,216,000 acres (3 730 000 ha) are forested. An estimated 7,145,000 acres (2 891 000 ha) are classified as timberland. The area has an estimated 17.3 billion cubic feet (491 million m³) of standing timber with 72 percent of this volume in public ownership.

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

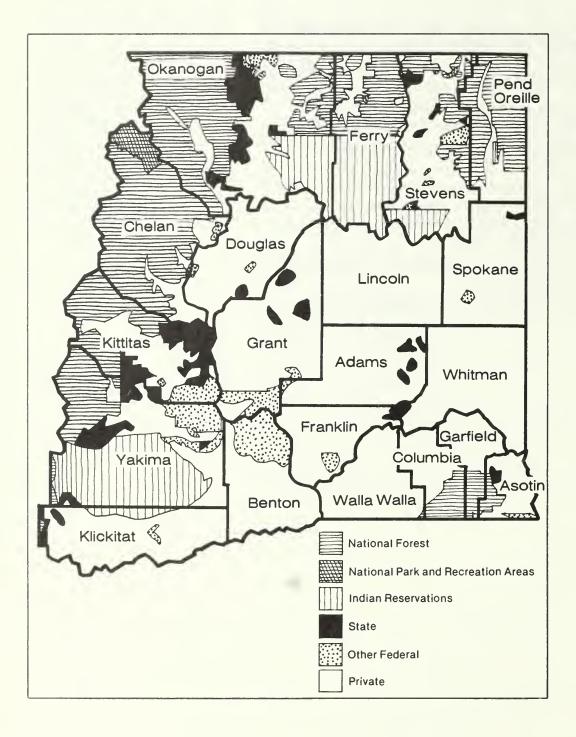
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- **Table 19—**Average annual mortality of growing stock on timberland by species and ownership class, eastern Washington, 1980
- **Table 20—**Average annual mortality of sawtimber on timberland by species and ownership class, eastern Washington, 1980
- Table 21—Timber harvest by ownership class, eastern Washington, 1950-81



#### Introduction

# **Inventory Procedures**

This report presents statistics from the latest inventory of timber resources for the 16 forested counties in Washington east of the crest of the Cascade Range. The eastern Washington area was first inventoried in 1935, with subsequent inventories in 1953-61 and 1967-68. The five northeastern-most counties were also inventoried in 1947. Although the current inventory includes all 16 counties, data for subunits are available on request.

Field data for all lands except National Forests were collected in the summer and fall of 1980 by the Forest Inventory and Analysis work unit (FIA) of the Pacific Northwest Forest and Range Experiment Station. National Forest inventory data included in this report are for all lands in the State administered by the Colville, Kaniksu, Okanogan, Umatilla, and Wenatchee National Forests. The inventory data were collected by National Forest personnel. Dates of inventories for these five National Forests were:

Pacific Northwest Region:

Colville	1973-74
Okanogan	1977
Umatilla	1969
Wenatchee	1977

#### Northern Region:

Kaniksu	1975
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Scientific names of trees (Little 1978) are listed on page 10 of this report.

This report combines inventory data from five National Forests with an inventory of State, county, municipal, Indian trust, and private forest lands conducted by FIA in the summer and fall of 1980.

Inventory procedures used on National Forests vary somewhat from forest to forest. Readers desiring detailed information for these inventories should contact the Timber Management staff of the Forest Service Region or National Forest of interest. The general approach used for National Forest inventories in eastern Washington is described below.

All areas of timberland, other forest land, Wilderness and other reserved, and nonforest land were mapped by delineation on aerial photos. Timberland areas were then sampled with field plots, distributed either systematically on a square grid, or randomly in mapped areas defined by forest conditions. The field plots, each a cluster of 10 variable-radius points distributed over about 1 acre (0.4 ha), ½ are the basis for estimates of timber volume, growth, mortality, and area attributes such as forest type, site class, and stand size class.

For all lands other than National Forest, the sampling design used was double sampling for stratification (Cochran 1963). Owner group, major land class (timberland, other forest, nonforest), and stand volume class were identified on 19,147 photo points. A subsample of 1,266 points were visited to determine the accuracy of the land classifications. Field plots were established or reestablished at all forest land points included in the subsample. At each such plot, trees were measured and tree and area characteristics were observed.

The correlation between plot volume based on estimated diameters and heights and plot volume calculated from measured diameters and heights was r=0.99. A similar comparison between estimated and measured growth showed a correlation of r=0.95. Bias, in both cases, was negligible.

During the 1967-68 inventory, a 10-point plot cluster was established at each timberland field location. For the 1980 inventory, a 5-point subset of the original cluster was checked to account for losses from harvest or mortality. On one-third of these timberland plots, the subset was also remeasured to account for growth in height and diameter of trees surviving from the previous inventory. These remeasurement data were used to develop equations for predicting height and diameter growth; the equations were then used to predict current heights and diameters for the two-thirds of the timber inventory plots for which trees were not remeasured. All timberland plots were then used to estimate volume, growth, mortality, and condition of the forest stand (MacLean 1980).

<sup>&</sup>lt;sup>1</sup> The Colville and Kaniksu inventories are based on single-point variable-radius plots rather than on 10-point clusters.

## Reliability of Inventory Data

The timberland area of the five National Forests in eastern Washington was determined from mapping and is not subject to sampling error. Estimates of National Forest timber volume and growth are based on sampling and are subject to sampling error. Confidence intervals (68-percent probability level) for estimated cubic-foot volume and net annual cubic-foot growth are available for three of the five National Forests:

National Forest	Timberland area	Net volume	Net annual growth
	Thousand acres	Milli	on cubic feet
Colville	973	$2,063 \pm NA$	$42.7 \pm NA$
Kaniksu	110	$208 \pm NA$	$4.9 \pm NA$
Okanogan	683	$1,493 \pm 55$	$10.0 \pm 0.9$
Umatilla	113	$354 \pm 17$	$5.8 \pm 0.4$
Wenatchee	1,028	$3,027 \pm 95$	$33.6 \pm 1.0$

All area and volume statistics for forested areas **other than National Forest** are based on sampling and are subject to sampling error. Confidence intervals (68-percent probability level) for the estimated timberland area, cubic-foot volume, and net annual cubic-foot growth by ownership class are as follows:

Owner	Timberland area	Net volume	Net annual growth
	Thousand acres	Million	cubic feet
Other public	$1,977 \pm 53$	$5,319 \pm 268$	122 ± 7
Forest industry	$880 \pm 37$	$2,378 \pm 173$	60 ± 5
Other Private	$1,380 \pm 49$	$2,505 \pm 143$	94 ± 6
All owners, other than			
National Forest	$4,237 \pm 78$	$10,202 \pm 345$	277 ± 11

Confidence intervals are quantitative expressions of the reliability of the timberland area, volume, and growth statistics. The above tabulation, for instance, indicates a two-in-three (68-percent) chance that the timberland area for all owners (other than National Forest) is within the range 4,237,000  $\pm$  78,000 acres (4,159,000 to 4,315,000 acres).

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

# Confidence interval for other than National Forest land

Timberland area	By owner <sup>2</sup> /	By type or class <sup>2</sup> / <sup>3</sup> /	
	Thousand acres		
1,500	± 40	± 90	
1,000	± 32	± 75	
800	± 28	± 67	
600	± 23	± 57	
400	± 19	± 49	
200	± 12	± 35	
100	± 8	± 25	
50	± 6	± 18	
25	± 4	± 13	
15	± 3	± 11	
10	± 2	± 9	
5	± 1	± 6	

## **Terminology**

# Confidence intervals for other than National Forest land

For net volume estimates of various sizes 2/	For net annual growth estimates of various sizes 2/
5 ± 4	

Actual confidence intervals have been calculated for the tabular data on ownerships other than National Forest; they are available on request.

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

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

Codominant trees—Live trees with crowns forming the general level of the crown canopy and receiving full light from above but comparatively little from the sides; usually with medium-size crowns more or less crowded on the sides.

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

**County and municipal lands—**Lands owned by county and other local public agencies.

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

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

**Cull trees, sound**—Trees of noncommercial species or cull trees of commercial species with defect caused primarily by poor form, roughness, etc.

Diameter class—A classification of trees based on diameter outside the bark measured at breast height, 4-1/2 feet (1.37 m) above the ground, D.b.h.is the common abbreviation for "diameter at breast height."

Dominant trees—Live trees with crowns extending above the general level of the crown canopy and receiving full light from above and partly from the side; larger than the average trees in the stand and with crowns dense, comparatively wide and long, but somewhat crowded on the sides.

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

<sup>&</sup>lt;sup>2</sup> Constant variance is assumed.

<sup>&</sup>lt;sup>3</sup> Applies to breakdowns of the total estimated timberland areas such as site class, stand size class, and forest type.

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

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

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

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

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

Indian lands—Tribal lands held in fee by the Federal Government but administered for Indian Tribal groups and Indian trust allotments.

Industrial wood—All commercial round-wood products except fuelwood.

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

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

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

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

Miscellaneous Federal lands—Federal lands other than lands administered by the Forest Service or the Bureau of Land Management.

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

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

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

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

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

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

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

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

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

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

Other public lands—Lands administered by public agencies other than the Forest Service.

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

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

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

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

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

Sapling and seedling trees—Live trees of commercial species less than 5.0 inches (12.5 cm) in d.b.h. with no disease, defects, or deformities likely to prevent their becoming poletimber trees.

Saw-log portion—The bole of sawtimber trees between the stump and the saw log top.

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

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

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

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

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

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

**Softwoods**—Coniferous trees, usually evergreen, with needles or scalelike leaves.

**State lands—**Lands owned by States or administered by State agencies.

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

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

**Timberland**—Forest land capable of producing 20 cubic feet or more per acre (1.4 m<sup>3</sup>/ha) per year of industrial wood, and not withdrawn from timber utilization.

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

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

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

# Names of Trees

Common name	Scientific name
Softwoods	
Alaska-cedar Douglas-fir Fir, grand Fir, noble Fir, Pacific silver Fir, subalpine Hemlock, mountain Hemlock, western Larch, subalpine Larch, western Pine, lodgepole Pine, ponderosa Pine, western white Pine, whitebark Redcedar, western Spruce, Engelmann	Chamaecyparis nootkatensis (D. Don) Spach Pseudotsuga menziesii (Mirb.) Franco Abies grandis (Dougl.) Lindl. A. procera Rehd. A. amabilis Dougl. ex Forbes A. lasiocarpa (Hook.) Nutt. Tsuga mertensiana (Bong.) Carr. T. heterophylla (Raf.) Sarg. Larix lyallii Parl. L. occidentalis Nutt. Pinus contorta Dougl. es Loud. var. latifolia Engelm P. ponderosa Dougl. ex Laws. P. monticola Dougl. ex D. Don P. albicaulis Engelm. Thuja plicata Donn ex D. Don Picea engelmannii Parry ex Engelm.
Hardwoods	
Alder, red Alder, white Aspen, quaking Birch, western paper Cottonwood, black Maple, bigleaf Oak, Oregon white Willow	Alnus rubra Bong. A. rhombifolia Nutt. Populus tremuloides Michx. Betula papyrifera var. commutata (Reg.) Fern. Populus trichocarpa Torr. & Gray Acer macrophyllum Pursh Quercus garryana Dougl. ex hook Salix spp.

#### **Tables**

Estimates in this report are developed from statistically based samples and therefore are subject to sampling error. Approximate confidence intervals for estimates of various sizes are presented in the section "Reliability of Inventory Data."

Table 1—Area by county and land class, eastern Washington, January 1, 1981 1/2

		FO					
COUNTY	TIMBERLANO	TIM8ERLANO, OEFERREO	TIMBERLAND, RESERVEO	OTHER FOREST	TOTAL	NONFOREST LANO 2/	ALL LANOS <u>3/4</u> /
			THOUSAL	O HECTARE	<u>s</u>		
ADAMS						490	490
SOTIN	25		5/	7	32	132	164
ENTON			=-			446	446
HELAN	273	3	45	96	418	340	758
OLUM8IA	36		11	12	59	163	223
OUGLAS	2				3	473	476
ERRY	414		2	70	485	88	573
RANKLIN						326	326
ARFIELO	23		2	4	30	155	185
RANT						694	694
ITTITAS	214		10	47	271	326	598
LICKITAT	144		5/	54	198	289	488
INCOLN	20		ñ	4	25	572	597
KANOGAN	520		72	196	788	584	1 373
ENO OREILLE	297	6	1	17	321	42	363
POKANE	119		10	17	145	310	456
TEVENS	446		2	49	497	145	642
ALLA WALLA	8			2	10	318	328
HI TMAN	4		5/	ī	4	556	561
AKIMA	334		TB	52	404	688	1 092
THER COUNTIES 6/	13		12	15	39	40	80
ALL COUNTIES 6/	2 891	9	185	645	3 730	7 184	10 913
			THOUSA	NO ACRES			
.OAMS						1,212	1,212
SOTIN	61		7/	18	79	327	405
ENTON						1,102	1,102
HELAN	674	8	112	238	1,032	841	1,873
OLUM8I A	90		26	30	146	404	550
OUGLAS	6			ĩ	7	1,170	1.177
ERRY	1,022		4	172	1,198	218	1,415
RANKLIN						806	B06
ARFIELD	57		6	11	73	383	456
RANT						1,716	1,716
ITTITAS	530		24	117	670	806	1,477
LICKITAT	356		7/	134	490	715	1,206
INCOLN	49		-2	11	63	1,413	1,475
KANOGAN	1,286		177	484	1,948	1,444	3,392
ENO OREILLE	733	15	2	42	792	105	897
POKANE	293		24	43	359	767	1.127
TEVENS	1,102		5	121	1,228	359	1,587
ALLA WALLA	19			5	24	787	811
HITMAN	9		7/	2	11	1.375	1,386
AK IMA	826		44	128	999	1,701	2,699
THER COUNTIES 6/	32		29	36	97	100	197
ALL COUNTIES 6/	7,145	23	457	1,593	9,216	17,751	26,966

Estimates are subject to sampling error.

1/Totals may be off because of rounding.

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

3/Source: United States Bureau of the Census, Land and Water of the United States, 1960.

4/Includes all land administered by the Colville, Kaniksu (Washington portion), Okanogan, Umatilla [Washington portion), and Wenatchee National Forests. Excludes 9,000 acres (4 000 hectares) in Klickitat County and 38,000 acres (15 000 hectares) in Yakima County administered by the Gifford Pinchot National Forest and previously reported (Bassett and Oswald 1981).

5/Less than 500 hectares.

6/Includes 161,000 acres (65 000 hectares) in Whatcom County and 36,000 acres (15 000 hectares) in Skagit County adminstered by the Okanogan National Forest.

7/Less than 500 acres.

Table 2—Area of timberland by county and ownership class, eastern Washington, January 1, 1981 1/2

			OTHER PUBLIC					PRIVATE				
COUNTY FOREST	BUREAU OF LAND MANAGEMENT	INOIAN	MISCELLANEOUS FEDERAL	STATE	COUNTY AND MUNICIPAL	TOTAL	FOREST INDUSTRY	FARMER	MISCEL- LANEOUS	TOTAL	ALL OWNERSHIPS	
			-			THOUSANO A	CRES					
ASOTIN	22				9		9	1	10	18	29	61
CHELAN	514				27	8	35	72	24	28	124	674
COLUMBIA	48	1			4		6	5	10	21	36	90
OOUGLAS		2/8			2/		2/		3	3	6	6
ERRY	407	-8	416		28	1	453	51	34	76	162	1,022
GARFIELO	43				3		3	1	3	7	11	57
CITTITAS	2 31				69		69	195	16	19	230	530
(LICKITAT		2	32	3	74	1	112	168	40	37	244	356
LINCOLN					3	1	4	2/	15	29	45	49
OKANOGAN	649	10	251	4	183		448	41	83	65	189	1,286
PENO OREILLE	464	1	3	2/ T3	29	3	36	100	41	92	233	733
SPOKANE					15	3	32	22	79	161	261	293
STEVENS	211	18	89	39	150	2	297	165	137	291	593	1,102
WALLA WALLA					1	2	3	2	5	9	17	19
NHI TMAN					1		1		3	5	8	9
YAKIMA	286		389	3	80		471	56	6	7	69	826
THER COUNTIES 3	/32											32
ALL COUNTIES 3/	2,907	40	1,180	62	675	21	1,977	880	510	870	2,259	7,144

 $\underline{1}/\text{Totals}$  may be off because of rounding.

2/Less than 500 acres.

3/Includes 13,000 acres (5 000 ha) in Skagit County and 19,000 acres (8 000 ha) in Whatcom County administered by the Okanogan National Forest.

Table 3—Area of timberland by cubic-foot site and ownership classes, eastern Washington, January 1, 1981  $^{\prime\prime}$ 

SITE CLASS 2/	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
CUBIC FEET			THOUSAND	ACRES	
225 OR MORE					
165-224	165	7	12	27	212
120-164	507	170	116	194	988
85-119	619	511	242	365	1,736
50-84	981	721	344	468	2,514
20-49	636	568	166	325	1,695
ALL CLASSES	2,907	1,977	880	1,380	7,144

Estimates are subject to sampling error.

1/Totals may be off because of rounding.

 $2/\mbox{Capacity}$  for cubic-foot annual growth per acre at culmination of mean annual growth In fully stocked natural stands.

STAND SIZE CLASS	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
		TI	OUSAND HECTA	RES	
SAWTIMBER STANDS:		-			
LARGE SAWTIMBER 2/	231 479	48 468	13 222	3 271	295 1 440
SMALL SAWTIMBER 3/	4/9	400	222	2/1	1 440
TOTAL	710	516	235	274	1 735
POLETIMBER STANDS	163	125	64	147	499
SAPLING AND	244	147	43	120	554
SEEDLING STANDS NONSTOCKED AREAS	59	13	14	17	103
TORSTOCKED AREAS					103
ALL CLASSES	1 176	800	356	558	2 891
		]	THOUSAND ACRES	<u>s</u>	
SAWTIMBER STANDS:					
LARGE SAWTIMBER 4/	572	118	32	_7	728
SMALL SAWTIMBER 5/	1,183	1,156	549	670	3,559
TOTAL	1,755	1,274	581	677	4,287
OLETIMBER STANDS	404	308	159	364	1,234
SAPLING AND					
SEEDLING STANDS	604	363	106	296	1,368
ONSTOCKED AREAS	145	33	34	43	255
LL CLASSES	2,907	1,977	880	1,380	7,144

1/Totals may be off because of rounding.

2/Large sawtimber includes trees 52.5-centimeter d.b.h. and larger.

 $3/\mathrm{Small}$  sawtimber includes softwood trees 22.5- to 52.4-centimeter d.b.h. and hardwood trees 27.5- to 52.4-centimeter d.b.h.

4/Large sawtimber includes trees 21.0-inch d.b.h. and larger.

 $5/\mathrm{Small}$  sawtimber includes softwood trees 9.0- to 20.9-inch d.b.h. and hardwood trees 11.0- to 20.9-inch d.b.h.

Table 5—Area of timberland by forest type and ownership class, eastern Washington, January 1, 1981  $\ensuremath{\mathcal{Y}}$ 

FOREST TYPE	NATIONAL FOREST	OTHER PUBLIC	FOREST INOUSTRY	OTHER PRI VATE	ALL OWNERSHIPS
			THOUSANO A	CRES	
OUGLAS-FIR	904	773	284	630	2,590
PONDEROSA PINE	200	657	243	387	1,486
ODGEPOLE PINE	385	174	27	128	714
GRANO FIR	305	121	148	90	663
VESTERN LARCH	396	53	43	19	511
SUBALPINE FIR	171	51	22		244
ENGELMANN SPRUCE	134	24	19	13	191
WESTERN REDCEOAR	70	37	20	15	141
PACIFIC SILVER FIR	84	19	15		117
WESTERN HEMLOCK	64		19		83
MOUNTAIN HEMLOCK	34	7	7		47
HITEBARK PINE	7				7
WESTERN WHITE PINE	4				4
ALASKA-CEDAR	2				2
ASPEN		7		28	35
DREGON WHITE OAK		12		13	25
COTTONWOOO		6		7	12
MAPLE				7	7
REO ALDER		5			5
OTHER HARDWOOOS	2				2
NONCOMMERCIAL CONIFERS	1				1
JNCLASSIFIED 2/	145	33	34	43	255
ALL TYPES	2,907	1,977	880	1,380	7,144

<sup>1/</sup>Totals may be off because of rounding.

<sup>2/</sup>Unclassified type is less than 10-percent stocked with live trees.

Table 6—Area of reserved and deferred timberland and other forest land by land class, forest type, and ownership class, eastern Washington, January 1, 1981 9

LAND CLASS AND FOREST TYPE	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS	
		THOUSAND ACRES				
TIMBERLAND, RESERVED:	91	2			0.4	
LODGEPOLE PINE SPRUCE	62	3 7			94 69	
SUBALPINE FIR	50	8			58	
DOUGLAS-FIR	34	19			53	
PACIFIC SILVER FIR	45				45	
LARCH	44				44	
PONDEROSA PINE	6	33			39	
GRAND FIR	22	14			36	
WESTERN HEMLOCK	3	11			14 .	
OTHER CONIFERS		5			5	
HARDWOODS		<u>3</u> /			<u>3</u> /	
ALL TIMBERLAND, RESERVED	357	100			457	
TIMBERLAND, DEFERRED:						
CEDAR-HEMLOCK	10				10	
SPRUCE	5				5	
UNCLASSIFIED 4/	8				88	
ALL TIMBERLAND, DEFERRED	23				23	
OTHER FOREST LAND:					, x*	
PONDEROSA PINE		205	75	141	421	
DOUGLAS-FIR		65	7	26	97	
ENGELMANN SPRUCE		6			6	
NOBLE FIR			6		6 ,. 6	
LODGEPOLE PINE		6				
HARDWOODS		20	8	19	46	
OAK-MADRONE		15		52	67	
WILLOW		13		20	33	
NONSTOCKED	707	22 31	19 36	7	47	
UNCLASSIFIED 4/	797	31	36		864	
ALL OTHER FOREST LAND 5/	797	383	150	264	1,593	

1/Totals may be off because of rounding.

2/Area of timberland by forest type and ownership class is presented in table 5.

3/Less than 500 acres.

4/Information on forest type not available.

5/Includes 114,000 acres of reserved areas.

Table 7—Volume of timber on timberland by class of timber and by softwoods and hardwoods, eastern Washington, January 1, 1981  $\mathcal Y$ 

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
		MILLION CUBIC FEET	
SAWTIMBER TREES: SAW-LOG PORTION UPPER-STEM PORTION	13,939 662	121 20	14,059 682
TOTAL	14,601	141	14,741
POLETIMBER TREES	2,507	99	2,606
ALL GROWING STOCK	17,108	239	17,348
SOUND CULL TREES ROTTEN CULL TREES SALVABLE DEAD TREES	64 85 274	18 1 <u>2</u> /	82 85 274
ALL TIMBER	17,531	258	17,789

 $\underline{1}$ /Totals may be off because of rounding.

2/Less than 500,000 cubic feet.

Table 8—Volume of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods. eastern Washington, January 1, 1981  $^{1/2}$ 

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOOOS	HARDW000S	ALL SPECIES
	CUBIC METERS PER HECTARE	<u>M</u>	ILLION CUBIC METERS -	
GROWING STOCK: 2/ NATIONAL FOREST OTHER PUBLIC	172 189	200 148	2 2	202 151
FOREST INDUSTRY OTHER PRIVATE	188 127	67 68	3/ 3	67 71
ALL OWNERSHIPS	170	484	7	491
	CUBIC FEET PER ACRE	<u>M</u>	ILLION CUBIC FEET	
GROWING STOCK: 4/ NATIONAL FOREST	2,458	7.083	62	7,145
OTHER PUBLIC	2,690	5,243	77	5,319
FOREST INDUSTRY	2,702	2,370	8	2,378
OTHER PRIVATE	1,816	2,413	92	2,506
ALL OWNERSHIPS	2,428	17,108	239	17,348
	80ARD FEET PER ACRE	<u>M</u>	ILLION 80ARD FEET	
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): 5/				
NATIONAL FOREST	11.426	33,082	134	33,216
OTHER PUBLIC	13,454	26.332	267	26,599
FOREST INDUSTRY	13,407	11,795	4	11.798
OTHER PRIVATE	7,906	10,605	305	10,910
ALL OWNERSHIPS	11,551	81,814	710	82,523
SAWTIMBER (SCRIBNER RULE): 5/				
NATIONAL FOREST	10,177	29,469	116	29,585
OTHER PUBLIC	11,521	22,557	220	22,778
FOREST INDUSTRY	11,344	9,980	3	9,983
OTHER PRIVATE	6,509	8,734	249	8,983
ALL OWNERSHIPS	9,984	70,741	588	71,329

1/Totals may be off because of rounding.

2/Includes trees 12.5-centimeter d.b.h. and larger.

3/Less than 500 000 cubic meters.

4/Includes trees 5.0-inch d.b.h. and larger.

5/Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and Targer.

COUNTY	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS			
		MILLION CUBIC METERS						
GROWING STOCK: 2/								
ASOTIN	2	1	<u>3/</u> 6	1	4			
CHELAN	38	2	<u>_</u> 6	3	50			
COLUMBIA	5	3/ 3/ 30	<u>3</u> /	3 2 <u>3</u> /	8			
DOUGLAS		3/	T	3/	i			
FERRY	23	30	3	-6	63			
GARFIELD	3	3/	3/	i	4			
KITTITAS	24	<u>3/</u> 5	Τ̈́	2	48			
KLICKITAT		10	ii	2 4	25			
LINCOLN		3/		2	2			
OKANOGAN	39	$\frac{37}{37}$	<u>3/</u> 3	2 8	87			
PEND OREILLE	29	37	8	8	47			
SPOKANE		3 2 19	2	10	14			
STEVENS	12	10	າ້າ	21	64			
WALLA WALLA		17	3/	1	1			
WHITMAN		$\frac{3}{3}$ /	3/	3/	3/			
	24	3/ 4)	4	3/	<del>5</del> /			
YAKIMA	3				3			
OTHER COUNTIES 4/	3				3			
ALL COUNTIES	202	151	67	71	491			
			MILLION (	CUBIC FEET				
GROWING STOCK: 5/								
ASOTIN	67	20	3	47	137			
CHELAN	1,355	84	215	122	1,776			
COLUMBIA	180	16	14	61	271			
DOUGLAS		2		16	18			
FERRY	825	1,068	119	210	2,222			
GARFIELD	108	7	3	19	137			
KITTITAS	839	172	612	77	1,700			
KLICKITAT		350	393	142	885			
LINCOLN		6	6/	60	66			
OKANOGAN	1,391	1,300	109	286	3,086			
PEND OREILLE	1,013	94	299	268	1,674			
SPOKANE		67	66	368	501			
STEVENS	433	684	399	759	2,275			
WALLA WALLA	433	6	8	27	41			
WHITMAN		ĭ		14	15			
YAKIMA	833	1,442	137	29	2,441			
OTHER COUNTIES 4/	101	1,442	137		101			
OTHER COUNTIES 4/	101				101			
ALL COUNTIES	7,145	5,319	2,378	2,506	17,348			
	•							

Table 9—Volume of growing stock and sawtimber on timberland by county and ownership class, eastern Washington, January 1, 1981 1/2, continued

COUNTY	NATIONAL FOREST	OTHER PU8LIC	FOREST INOUSTRY	OTHER PRIVATE	ALL OWNERSHIPS			
	MILLION 80ARO FEET							
SAWTIMBER (INTERNATIONAL								
1/4-INCH RULE): <u>7</u> /	077	0.0	1.5	000	507			
ASOTIN	277	92	15	203	587			
CHELAN	6,871	402	1,126	598	8,997			
COLUM8IA	961	77	66	256	1,360			
OOUGLAS	2 000	5 200	 	83	92			
FERRY	3,099	5,290	528	886	9,803			
GARFIELO	544	33	12	81	670			
KITTITAS	4,678	842	3,263	365	9,148			
KLICKITAT		1,841	2,048	667 256	4,556 287			
LINCOLN	6 110	29	2					
OK ANOGAN	6,110	6,726	580 1,378	1,355	14,771			
PENO OREILLE	3,929	433		1,116 1,556	6,856 2,177			
SPOKANE	1 627	311	310		9,747			
STEVENS	1,627	3,205 29	1,739 38	3,176 114	181			
WALLA WALLA		29 5	30	59	64			
WHITMAN	4 600	-	693	139	12,714			
YAKIMA	4,608	7,274	693	139	511			
OTHER COUNTIES 8/	511				311			
ALL COUNTIES	33,216	26,599	11,798	10,910	82,523			
CAUTINOED (CODIONED								
SAWTIMBER (SCRIBNER								
RULE): 7/	244	76	12	166	408			
RULE): 7/ ASOTIN	2 <b>4</b> 4	76 341	12	166 502	498 7.840			
RULE): 7/ ASOTIN CHELAN	6,037	341	960	502	7,840			
RULE): 7/ ASOTIN CHELAN COLUMBIA	6,037 848	341 64	960 55	502 209	7,840 1,176			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS	6,037 848	341 64 8	960 55	502 209 70	7,840 1,176 78			
RULE): 7/ ASOTIN CHELAN COLUMBIA OUGLAS FERRY	6,037 848  2,873	341 64 8 4,507	960 55  439	502 209 70 723	7,840 1,176 78 8,542			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD	6,037 848  2,873 483	341 64 8 4,507 27	960 55  439 10	502 209 70 723 66	7,840 1,176 78 8,542 586			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD KITTITAS	6,037 848  2,873 483 4,188	341 64 8 4,507 27 720	960 55  439 10 2,801	502 209 70 723 66 305	7,840 1,176 78 8,542 586 8,014			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD KITTITAS KLICKITAT	6,037 848  2,873 483 4,188	341 64 8 4,507 27 720 1,616	960 55  439 10 2,801 1,743	502 209 70 723 66 305 558	7,840 1,176 78 8,542 586 8,014 3,917			
RULE): 7/ ASOTIN CHELAN COLUMBIA OUUGLAS FERRY GARFIELD KITTITAS KLICKITAT LINCOLN	6,037 848  2,873 483 4,188 	341 64 8 4,507 27 720 1,616 24	960 55  439 10 2,801 1,743	502 209 70 723 66 305 558 209	7,840 1,176 78 8,542 586 8,014 3,917 235			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD KITTITAS KLICKITAT LINCOLN OKANOGAN	6,037 848  2,873 483 4,188   5,293	341 64 8 4,507 27 720 1,616 24 5,819	960 55  439 10 2,801 1,743 2	502 209 70 723 66 305 558 209	7,840 1,176 78 8,542 586 8,014 3,917 235 12,742			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD KITTITAS KLICKITAT LINCOLN OKANOGAN PENO OREILLE	6,037 848  2,873 483 4,188 	341 64 8 4,507 27 720 1,616 24 5,819 361	960 55  439 10 2,801 1,743 2 495 1,150	502 209 70 723 66 305 558 209 1,135 912	7,840 1,176 78 8,542 586 8,014 3,917 235 12,742 5,957			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD KITTITAS KLICKITAT LINCOLN OKANOGAN PENO OREILLE SPOKANE	6,037 848 	341 64 8 4,507 27 720 1,616 24 5,819 361 258	960 55  439 10 2,801 1,743 2 495 1,150 259	502 209 70 723 66 305 558 209 1,135 912	7,840 1,176 78 8,542 586 8,014 3,917 235 12,742 5,957 1,788			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD KITTITAS KLICKITAT LINCOLN OKANOGAN PENO OREILLE SPOKANE STEVENS	6,037 848  2,873 483 4,188  5,293 3,534  1,530	341 64 8 4,507 27 720 1,616 24 5,819 361 258 2,679	960 55  439 10 2,801 1,743 2 495 1,150 259	502 209 70 723 66 305 558 209 1,135 912 1,271 2,598	7,840 1,176 78 8,542 586 8,014 3,917 235 12,742 5,957 1,788 8,248			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD KITTITAS KLICKITAT LINCOLN OKANGGAN PENO OREILLE SPOKANE STEVENS WALLA WALLA	6,037 848 	341 64 8 4,507 27 720 1,616 24 5,819 361 258	960 55  439 10 2,801 1,743 2 495 1,150 259	502 209 70 723 66 305 558 209 1,135 912	7,840 1,176 78 8,542 586 8,014 3,917 235 12,742 5,957 1,788			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD KITTITAS KLICKITAT LINCOLN OOKANOGAN PENO OREILLE SPOKANE STEVENS WALLA WALLA WHITMAN	6,037 848 	341 64 8 4,507 27 720 1,616 24 5,819 361 258 2,679 24	960 55  439 10 2,801 1,743 2 495 1,150 259 1,441 31	502 209 70 723 66 305 558 209 1,135 912 1,271 2,598 94	7,840 1,176 78 8,542 586 8,014 3,917 235 12,742 1,788 8,248 149 52			
RULE): 7/ ASOTIN CHELAN COLUMBIA OOUGLAS FERRY GARFIELD KITTITAS KLICKITAT LINCOLN OKANGGAN PENO OREILLE SPOKANE STEVENS WALLA WALLA	6,037 848  2,973 483 4,188  5,293 3,534  1,530	341 64 8 4,507 27 720 1,616 24 5,819 361 258 2,679 24	960 55  439 10 2,801 1,743 2 495 1,150 259 1,441 31	502 209 70 723 66 305 558 209 1,135 912 1,271 2,598 94	7,840 1,176 78 8,542 586 8,014 3,917 235 12,742 5,957 1,788 8,248 149			

1/Totals may be off because of rounding.

2/Includes trees 12.5-centimeter d.b.h. and larger.

3/Less than 500 000 cubic meters.

 $\underline{4}/Includes$  growing stock volume on timberland in Whatcom County and Skagit County administered by the Okanogan National Forest.

5/Includes trees 5.0-inch d.b.h. and larger.

 $\underline{6}/\text{Less}$  than 500,000 cubic feet.

7/Includes softwoods trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

 $\underline{8}/Includes$  sawtimber volume on timberland in Whatcom County and Skagit County administered by the Okanogan National Forest.

SPECIES	NATIONAL FOREST	OTHER PU8LIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS				
	MILLION CUBIC FEET								
SOFTWOODS:									
OOUGLAS-FIR	2,321	1,749	818	1,072	5,960				
PONOEROSA PINE	591	1,507	438	623	3,160				
LOOGEPOLE PINE	720	502	110	270	1,601				
GRANO FIR	557	487	301	222	1,566				
WESTERN LARCH	701 475	483	177	146	1,507				
ENGELMANN SPRUCE SUBALPINE FIR	4/5 452	195 92	128 96	10 1	808 641				
PACIFIC SILVER FIR	400	63	89		552				
WESTERN REOCEOAR	246	84	62	64	456				
WESTERN HEMLOCK	287	4	64	3	357				
MOUNTAIN HEMLOCK	147	55	48		249				
WESTERN WHITE PINE	150	14	26	3	192				
ALASKA-CEDAR	28		4		32				
WHITEBARK PINE	8	6	7		21				
NOBLE FIR	2	3	3		-8				
SUBALPINE LARCH	1				1				
TOTAL	7,083	5,243	2,370	2,413	17,108				
AROWOOOS:									
QUAKING ASPEN	12	45		30	87				
WESTERN PAPER 8IRCH 2		5	4	23	71				
8LACK COTTONWDOD	10	12		31	52				
OREGON WHITE OAK		5	3	5	13				
REO ALOER	2	8		<u>3/</u>	10				
WHITE ALDER	3/				4				
BIGLEAF MAPLE		2			3				
TOTAL	62	77	8	92	239				
LL SPECIES	7,145	5,319	2,378	2,506	17,348				

<sup>1/</sup>Totals may be off because of rounding.

 $<sup>\</sup>underline{2}/\text{Contains minor amounts of other hardwoods.}$ 

<sup>3</sup>/Less than 50D,000 cubic feet.

Table 11—Volume of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, eastern Washington, January 1, 1981 1/

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
			MILLION BOARD FE	EET	
SOFTWOODS:					
DOUGLAS-FIR	11,295	9,183	4,245	4,769	29,492
PONDEROSA PINE	3,360	8,192	2,326	3,044	16,921
LODGEPOLE PINE	1,763	1,664	392	784	4,603
GRAND FIR	2,606	2,418	1,367	1,160	7,551
WESTERN LARCH	3,274	2,366	756	525	6,920
ENGELMANN SPRUCE	2,398	1,008	762	34	4,202
SUBALPINE FIR	1,732	397	387		2,516
PACIFIC SILVER FIR	2,352	345	500		3,197
WESTERN REDCEDAR	1,060	334	246	264	1,903
WESTERN HEMLOCK	1,556	16	333	15	1,920
MOUNTAIN HEMLOCK	773	309	274		1,355
WESTERN WHITE PINE	706	73	137	11	927
ALASKA-CEDAR	156		16		172
WHITEBARK PINE NOBLE FIR	39 10	27	37 18		103 29
SUBALPINE LARCH	5		10		5
SUDALPINE LAKON					2
TOTAL	33,082	26,332	11,795	10,605	81,814
HARDWOODS:					
OUAKING ASPEN	21	164		110	295
WESTERN PAPER BIRCH				52	112
BLACK COTTONWOOD	47	59		140	246
OREGON WHITE OAK		9	4	4	17
RED ALDER	3	35			39
BIGLEAF MAPLE	1				1
TOTAL	134	267	4	305	710
ALL SPECIES	33,216	26,599	11,798	10,910	82,523

1/Totals may be off because of rounding.

2/Contains minor amounts of other hardwoods.

Table 12—Volume of sawtimber, Scribner rule, on timberland by species and ownership class, eastern Washington, January 1, 1981  $^{\lor}$ 

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INOUSTRY	OTHER PRIVATE	ALL OWNERSHIPS				
	MILLION BOARO FEET								
SOFTWOODS:									
OOUGLAS-FIR PONDEROSA PINE LOOGEPOLE PINE GRANO FIR WESTERN LARCH ENGELMANN SPRUCE SUBALPINE FIR PACIFIC SILVER FIR WESTERN REOCEOAR WESTERN HEMLOCK MOUNTAIN HEMLOCK WESTERN WHITE PINE ALASKA CEDAR WHITEBARK PINE	10,413 3,155 1,400 2,246 2,916 2,115 1,428 2,120 843 1,327 682 640 137 35	7,906 7,052 1,353 2,076 2,026 868 327 297 284 14 268 63 23	3,589 1,977 315 1,151 617 677 321 434 203 285 234 117 14	3,904 2,533 621 991 422 27  216 12  9	25,812 14,716 3,689 6,464 5,980 3,687 2,076 2,851 1,546 1,638 1,184 828 151 88				
NOBLE FIR SUBALPINE LARCH	9 5		17		26 5				
TOTAL	29,469	22,557	9,980	B,734	70,741				
HAROWOODS:  QUAXING ASPEN WESTERN PAPER BIRCH BLACK COTTONNOOO OREGON WHITE OAK REO ALOER BIGLEAF MAPLE	2/ 53 41  3	133  50 7 30	  3 	90 41 115 3 	242 94 205 13 33				
TOTAL	116	220	3	249	588				
ALL SPECIES	29,585	22,778	9,983	8,983	71,329				

1/Totals may be off because of rounding.

2/Contains minor amounts of other hardwoods.

Table 13—Volume of growing stock on timberland by species and diameter class, eastern Washington, January 1, 1981 <sup>1</sup>/<sub>2</sub>

					OIAMETER	CLASS (IN	CHES AT BE	REAST HEIG	HT)		
SPECIES	5.0- 6.9	7.0- 8.9	9.0-	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 1B.9	19.0- 20.9	21.0- 28.9	29.0 ANO LARGER	ALL CLASSES
	MILLION CUBIC FEET										
SOFTWOOOS: OUGLAS-FIR PONDEROSA PINE LOOGEPOLE PINE GRANO FIR WESTERN LARCH ENGELMANN SPRUCE SUBALPINE FIR PACIFIC SILVER FIR WESTERN REOCEOAR WESTERN HEMLOCK MOUNTAIN HEMLOCK WESTERN WHITE PINE ALASKA-CEOAR WHITEBARK PINE NOBLE FIR SUBALPINE LARCH	221 64 264 74 84 35 66 17 29 12 8 8	434 163 440 160 150 50 100 19 52 28 11 17 1 2/ 3	519 225 326 153 172 65 84 34 54 23 13 17 1	711 2B6 227 170 163 72 96 31 40 27 17 18 1 4	650 314 139 154 162 80 89 57 45 29 25 26 2 2 2/2/2/	617 267 80 180 162 86 67 43 42 26 32 16 3 2 2/	51 2 273 55 157 117 62 57 43 35 31 31 18 2 6	398 240 37 125 116 75 23 36 32 33 23 18 4 1	1,049 767 27 231 264 182 54 165 61 95 62 36 12 4 1	851 563 6 162 115 9B 5 106 65 54 27 19 5 2/ 4	5,960 3,160 1,601 1,566 1,507 80B 641 552 456 357 249 192 32 21 8
TOTAL	882	1,626	1,688	1,867	1,775	1,624	1,400	1,160	3,007	2,0B1	17,108
HAROWOODS: QUAKING ASPEN WESTERN PAPER BIRCH 3/ BLACK COTTONWOOO OREGON WHITE OAK REO ALOER WHITE ALOER BIGLEAF MAPLE	5 21 2/ 5 1	9 19 1 1 2/ 3 1	13 7 5 4 1 2/	15 12 9  2/ 2/	25 5 6 1 3	10 1 9 1 2/	6 1 3  	4 1 2  1 	 3 15 2 3 	2   	87 71 52 13 10 4
TOTAL	33	35	31	36	40	21	10	9	23	2	239
ALL SPECIES	915	1,661	1,718	1,903	1,814	1,644	1,410	1,169	3,029	2,082	17,34B

1/Totals may be off because of rounding.

2/Less than 500,000 cubic feet.

 $\underline{3}$ /Contains minor amounts of other hardwoods.

Table 14—Volume of sawtimber, International 1/4-inch rule, on timberland by species and diameter class, eastern Washington, January 1, 1981  $^{1}$ /

			DIAMET	ER CLASS (	INCHES AT	BREAST HE	IGHT)				
SPECIES	9.0- 10.9	11.0-	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 AND LARGER	ALL CLASSES		
	MILLION BOARD FEET										
SOFTWOODS:  DOUGLAS-FIR PONDEROSA PINE LODGEPOLE PINE GRAND FIR WESTERN LARCH ENGELMANN SPRUCE SUBALPINE FIR PACIFIC SILVER FIR WESTERN REDCEDAR WESTERN HEMLOCK MOUNTAIN HEMLOCK WESTERN WHITE PINE ALASKA-CEDAR WHITEBARK PINE NOBLE FIR SUBALPINE LARCH	2,095 898 1,460 668 731 283 356 158 216 102 60 69 5 5	3,461 1,383 1,177 861 843 381 481 168 192 134 84 91 5	3,354 1,667 775 861 887 444 471 321 211 160 137 140 12 9 1	3,346 1,477 450 1,038 893 495 377 252 214 149 184 84 14	2,855 1,586 317 914 666 368 334 267 188 179 182 103 13 34 2	2,303 1,422 222 756 673 450 137 228 164 203 141 100 20 3	6,344 4,755 167 1,437 1,555 1,156 326 1,064 333 619 392 214 70 23 3	5,735 3,732 36 1,015 670 627 35 740 383 377 176 125 33 2/ 22	29,492 16,921 4,603 7,551 6,920 4,202 2,516 3,197 1,903 1,920 1,355 927 172 103 29 5		
TOTAL	7,108	9,278	9,450	8,989	8,004	6,821	18,457	13,704	81,814		
HARDWOODS:  QUAKING ASPEN WESTERN PAPER BIRCH 3/ BLACK COTTONWOOD OREGON WHITE OAK RED ALDER BIGLEAF MAPLE	    	64 54 38  1 1	126 27 29 4 17	53 5 50 1 1	31 7 17  	22 6 14  4	13 87 12 16	10	295 112 246 17 39		
TOTAL		158	203	108	56	47	127	10	710		
ALL SPECIES	7,108	9,437	9,654	9,098	8,060	6,868	18,585	13,714	82,523		

<sup>1/</sup>Totals may be off because of rounding.

<sup>2/</sup>Less than 500,000 board feet.

<sup>3/</sup>Contains minor amounts of other hardwoods.

Table 15—Volume of sawtimber, Scribner rule, on timberland by species and diameter class, eastern Washington, January 1, 1981  $^{\prime\prime}$ 

			DIAME	TER CLASS (	INCHES AT	BREAST HE	IGHT)		
SPECIES	9.0-	11.0-	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0-20.9	21.0- 28.9	29.0 AND LARGER	ALL CLASSES
				MILLION B	OARD FEET				
SOFTWOODS:									
DOUGLAS-FIR	1,656	2,822	2,823	2,895	2,493	2,053	5,740	5,330	25,812
PONDEROSA PINE	668	1,091	1,362	1,236	1,360	1,237	4,268	3,494	14,716
LODGEPOLE PINE	1,132	916	629	378	267	191	143	32	3,689
GRAND FIR	524	691	713	877	784	659	1,275	942	6,464
WESTERN LARCH	565	666	744	770	587	601	1,418	630	5,980
ENGELMANN SPRUCE	232	308	372	426	325	398	1,040	586	3,687
SUBALPINE FIR	284 121	381 137	384 268	314 217	283 236	114 205	285 970	32	2,076
PACIFIC SILVER FIR WESTERN REDCEDAR	175	156	208 177	181	236 158	130	261	698 308	2,851 1,546
WESTERN HEMLOCK	85	112	138	128	153	172	526	324	1,638
MOUNTAIN HEMLOCK	46	68	114	156	157	125	353	165	1,184
WESTERN WHITE PINE	60	78	120	77	93	91	194	114	828
ALASKA-CEDAR	4	4	9	12	ii	18	63	31	151
WHITEBARK PINE	4	14	8	10	30	2	20	2/	88
WHITE FIR		1	1	5		1	1	=-	8
SUBALPINE LARCH	2	1	1				1		5
TOTAL	5,557	7,445	7,863	7,679	6,938	5,993	16,558	12,708	70,741
HARDWOODS:									
QUAKING ASPEN		50	103	44	26	18			242
WESTERN PAPER BIRCH 3/		44	23	4	6	6	11		94
BLACK COTTONWOOD		30	24	41	15	12	75	9	205
OREGON WHITE OAK			3	1			9		13
RED ALDER		1	14	1		4	14		33
BIGLEAF MAPLE		1							1
TOTAL		126	167	90	47	41	109	9	588
ALL SPECIES	5,557	7,571	8,029	7,769	6,984	6,034	16,667	12,716	71,329

1/Totals may be off because of rounding.

2/Less than 500,000 board feet.

3/Contains minor amounts of other hardwoods.

Table 16—Net annual growth of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, eastern Washington, 1980 1/2

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	CUBIC METERS PER HECTARE	<u>I</u>	HOUSAND CUBIC ME	TERS
GROWING STOCK: 2/				
NATIONAL FOREST	1	2 671	77	2 748
OTHER PUBLIC	. 2	3 371	90	3 461
FOREST INDUSTRY	2	1 698	5	1 703
OTHER PRIVATE	2	2 589	83	2 672
ALL OWNERSHIPS	1	10 330	254	10 584
	CUBIC FEET			
	PER ACRE	<u>TH</u>	OUSAND CUBIC FEE	<u>T</u>
GROWING STOCK: 3/				
NATIONAL FOREST	33	94,383	2,704	97,087
OTHER PUBLIC	62	119,132	3,177	122,309
FOREST INOUSTRY	68	60,016	177	60,193
OTHER PRIVATE	68	91,472	2,931	94,404
ALL OWNERSHIPS	52	365,003	8,989	373,993
	BOARO FEET			
	PER ACRE	<u>TH</u>	OUSANO 80ARO FEE	<u> </u>
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): 4/				
NATIONAL FOREST 5/	152	436,758	6,054	442,812
OTHER PUBLIC	332	639,449	17,127	656,576
FOREST INDUSTRY	394	347,558	6/-588	346,969
OTHER PRIVATE	382	511,580	15,642	527,223
ALL OWNERSHIPS	276	1,935,345	38,235	1,973,580

<sup>1/</sup>Totals may be off because of rounding.

 $<sup>\</sup>underline{2}/\text{Includes}$  trees 12.5-centimeter d.b.h. and larger.

 $<sup>\</sup>underline{3}/\text{Includes}$  trees 5.0-inch d.b.h. and larger.

 $<sup>\</sup>underline{4}/\mathrm{Includes}$  softwoods trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

 $<sup>5/</sup>Sawtimber\ growth$  in softwood trees 9.0- to 10.9-inch d.b.h. is unavailable for the  $\overline{\text{U}}\text{matilla}$  National Forest.

 $<sup>\</sup>underline{6}/\text{Negative}$  net annual growth is the result of annual mortality exceeding gross annual  $\overline{\text{growth}}.$ 

Table 17—Net annual growth on growing stock on timberland by species and ownership class, eastern Washington, 1980.

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INOUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
		THO	USANO CUBIC FEET		
SOFTWOOOS:					
00UGLAS-FIR	28,260	41,413	26,145	48,476	144,293
PONOEROSA PINE	4,635	30,574	10,674	19,494	65,377
LOOGEPOLE PINE	13,552	13,226	3,917	7,076	37,770
GRANO FIR	11,437	17,410	10,391	7,941	47,179
WESTERN LARCH	7,196	6,212	3,974	4,984	22,367
ENGELMANN SPRUCE	4,827	3,096	897	264	9,084
SUBALPINE FIR	8,306	2,631	1,973	105	13,016
PACIFIC SILVER FIR	3,162	1,357	1,113		5,632
WESTERN REOCEOAR	5,474	2,170	1,639	2,818	12,101
WESTERN HEMLOCK	3,360	42	1,286	74	4,761
MOUNTAIN HEMLOCK	1,100	341	312		1,753
WESTERN WHITE PINE	2,452	279	2/-2,429	240	542
ALASKA-CEOAR	551		17		<b>56</b> 8
WHITEBARK PINE	51	227	88		367
NOBLE FIR	9	154	20		183
SUBALPINE LARCH	10				10
TOTAL	94,383	119,132	60,016	91,472	365,003
HARDWOOOS:					
QUAKING ASPEN	494	2,105		352	2,951
WESTERN PAPER BIRCH 3/	1,781	294	235	1,226	3,537
BLACK COTTONWOOO -	237	201	2/-134	1,120	1,424
OREGON WHITE OAK		382	<del>-</del> 76	43	501
RED ALDER	168	180		48	396
WHITE ALOER	11			142	153
BIGLEAF MAPLE	13	15			27
TOTAL	2,704	3,177	177	2,931	8,989
ALL SPECIES	97,087	122,309	60,193	94,404	373,993

<sup>1/</sup>Totals may be off because of rounding.

<sup>2/</sup>Negative net annual growth is the result of annual mortality exceeding gross annual growth.

<sup>3/</sup>Contains minor amounts of other hardwoods.

Table 18—Net annual growth of sawtimber on timberland by species and ownership class, eastern Washington, 1980  ${\it y}$ 

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INOUSTRY	OTHER PRIVATE	ALL OWNERSHIP:
		THOUSAND BOARD F	EET, INTERNATION	IAL 1/4-INCH RU	LE
SOFTWOODS:					
OOUGLAS-FIR	142,139	236,461	152,326	264.060	794.985
PONOEROSA PINE	29,698	187,204	62,292	113,135	392,329
LOOGEPOLE PINE	42,278	35,546	20,249	42,897	140,969
GRANO FIR	53,549	101,695	55,909	51,987	263,139
WESTERN LARCH	29,896	27,224	17,987	24,144	99,251
ENGELMANN SPRUCE	24,848	16,227	6,508	1,082	48,664
SUBALPINE FIR	35,607	14,477	14,920		65,003
PACIFIC SILVER FIR	19,588	7.407	7,329		34,324
WESTERN REDCEOAR	19,063	9.759	9.034	12,468	50,324
WESTERN HEMLOCK	18,561	252	7,913	1.063	27,790
MOUNTAIN HEMLOCK	5,307	2,025	1,938		9,270
WESTERN WHITE PINE	11,958	1,689	2/-9,827	746	4,565
ALASKA-CEOAR	3,869		78		3,947
WHITEBARK PINE	320	2/-516	767		571
NOBLE FIR	60		135		195
SUBALPINE LARCH	14				14
TOTAL	3/436,758	639,449	347,558	511,580	1,935,345
HARDWOOOS:					
OUAKING ASPEN	779	14,389		4.024	19,191
WESTERN PAPER BIRCH 4/	2.541			3,954	6,495
BLACK COTTONWOOO	2,543	1,675	2/-600	7,614	11,232
OREGON WHITE OAK		2/-2	<sup></sup> 13	51	<b>6</b> 1
REO ALOER	165	1,065			1,231
BIGLEAF MAPLE	25				25
TOTAL	6,054	17,127	<u>2</u> /-588	15,642	38,235
ALL SPECIES	442,812	656,576	346,969	527,223	1,973,580

 $<sup>1/\</sup>text{Totals}$  may be off because of rounding.

<sup>2/</sup>Negative net annual growth is the result of annual mortality exceeding gross annual growth.

 $<sup>3/\</sup>text{Sawtimber}$  growth in trees 9.0- to 10.9-inch d.b.h is unavailable for the Umatilla National Forest.

<sup>4/</sup>Contains minor amounts of other hardwoods.

Table 19—Average annual mortality of growing stock on timberland by species and ownership class, eastern Washington, 1980  $^{\prime\prime}$ 

SPECIES	NATIONAL FOREST	OTHER PU8LIC	FOREST INOUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
		TI	HOUSANO CUBIC FE	ET	
SOFTWOOOS:					
OOUGLAS-FIR	11,123	7,741	1,487	2,053	22,404
PONOEROSA PINE	2,021	4,682	2,334	3,518	12,554
LOOGEPOLE PINE	3,849	3,194	449	3,376	10,868
GRANO FIR	2,003	2,067	1,401	1,987	7,457
WESTERN LARCH	3,906	4,095	1,435	1,028	10,464
ENGELMANN SPRUCE	2,136	1.459	1.027	168	4,789
SUBALPINE FIR	2,188	512	1,102		3,801
PACIFIC SILVER FIR	1,385	146	203		1,734
WESTERN REOCEOAR	407	98		101	606
WESTERN HEMLOCK	1,142			45	1,186
MOUNTAIN HEMLOCK	531	237			768
WESTERN WHITE PINE	1,014	295	2.946		4,255
ALASKA-CEOAR	96				96
WHITE8ARK PINE	18	138			156
NOSLE FIR	6				6
SUBALPINE LARCH	5				5
TOTAL	31,836	24,662	12,385	12,274	81,156
AROWOOOS:					
QUAKING ASPEN	38			461	499
WESTERN PAPER BIRCH 2/	172			46	218
BLACK COTTONWOOO	84	47	134	58	323
OREGON WHITE OAK		69	50	91	210
REO ALOER	9				9
WHITE ALOER	3				3
TOTAL	308	116	185	654	1,262
LL SPECIES	32,144	24,777	12,569	12,928	82,418

<sup>1/</sup>Totals may be off because of rounding.

 $<sup>\</sup>underline{2}$ /Contains minor amounts of other hardwoods.

Table 20—Average annual mortality of sawtimber on timberland by species and ownership class, eastern Washington, 1980  ${\rlap/}$ 

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INOUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
	<u>T</u> }	HOUSANO BOARO FEI	ET, INTERNATIONA	L 1/4-INCH RULE	
SOFTWOODS:					
OOUGLAS-FIR	53,630	34,826	6,518	4,853	99,827
PONOEROSA PINE	11,664	22,343	11,179	15,340	60,525
LODGEPOLE PINE	8,309	11,135	1,822	3,064	24,330
GRANO FIR	8,755	11,608	6,243	9,637	36,243
WESTERN LARCH	18,695	19,258	6,812	3,062	47,826
ENGELMANN SPRUCE	10,818	8,249	4,591	403	24,061
SUBALPINE FIR	8,389	1,789	987		11,165
PACIFIC SILVER FIR	6,956	820	1,034		8,809
WESTERN REOCEOAR	1,896			632	2,527
WESTERN HEMLOCK	5,760				5,760
MOUNTAIN HEMLOCK	2,466	1,407			3,873
WESTERN WHITE PINE	3,192	1,819	13,117		18,128
ALASKA-CEOAR	453				453
WHITEBARK PINE	94	683			777
NOBLE FIR	30				30
SUBALPINE LARCH	17				1,7
TOTAL	141,127	113,937	52,303	36,990	344,357
HAROWOOOS:					
OUAKING ASPEN	250			1,453	1,703
WESTERN PAPER 8IRCH 2/	136				136
BLACK COTTONWOOD	116	259	601		976
OREGON WHITE OAK		141		2	142
TOTAL	503	400	601	1,454	2,958
ALL SPECIES	141,631	114,337	52,904	38,444	347,316

 $<sup>\</sup>underline{1}/\text{Totals}$  may be off because of rounding.

<sup>2/</sup>Contains minor amounts of other hardwoods.

Table 21—Timber harvest by ownership class, eastern Washington, 1950-81

1	ı		3.7	96	25	4	39	35	20	35	20	39	86	2	17	72	200	33	32	33	38	13	34	2	9	28	:5	33	74	12	12	98	39	7	
10	TOTAL		504,837	604,05	650,022	729,00	732,88	758,38	767,46	753,28	771,98	902,53	838,10	797,54	891,64	944,3,	1,036,68	1,039,59	1,030,89	1,064,28	1,176,888	1,068,34	890,08	1,070,1	1,189,3	1,218,8	1,142,62	1,012,89	1,132,7	1,169,14	1,220,91	1,128,086	1,059,399	933, 72	h.
ALL OWNERSHIPS	DEAD 1/		3/	\   	7,627	3/	18,568	20,847	10,650	8,466	11,805	19,230	13,446	27,435	10,940	10,258	9,040	908,9	5,033	23,582	14,572	20,877	11,430	60,260	115,560	71,108	82,197	33,426	52,430	35,772	74,728	17,052	40,894	19,777	
ALI	LIVE		3/	/\   	642,395	3/	714,321	737,538	756,810	744,819	760,175	883,309	824,662	770,105	880,707	934,114	1,027,640	1,032,787	1,025,859	1,040,699	1,162,316	1,047,466	879,254	1,009,852	1,073,756	1,147,760	1,060,428	979,467	1,080,344	1,133,370	1,146,184	1,111,034	1,018,505	913 944	) )
	TOTAL		380,898	457,809	486,924	527,421	526,377	397,789	342,182	.357,671	331,140	344,805	396,644	317,249	273,261	279,216	298,096	256,829	268,631	250,959	290,450	277,083	280,868	280,658	285,712	385,177	382,979	338,294	415,582	432,090	461,184	446,355	409,223	366,854	
PRIVATE	DEAD 1/	SCALE	3/	3/	1,952	3/	7,968	1,612	1,869	1,306	1,346	1,754	3,624	9,829	2,946	1,666	376	20	1,435	75	73	1,718	702	1,472	1,127	2,475	4,497	263	7,174	3,139	3,445	2,894	6,672	4 884	
	LIVE	FEET, SCRIBNER SCALE	3/	3/	484,972	3/	518,409	396,177	340,313	356,365	329,794	343,051	393,020	307,420	270,315	277,550	297,720	256,809	267,196	250,884	290,377	275,365	280,166	279,186	284,585	382,702	378,482	338,031	408,408	428,951	457,739	443,461	402,551	361 970	
2/	TOTAL	THOUSAND BOARD FEET,	;	1	;	!		187,839	207,988	167,720	190,049	227,418	168,731	191,834	218,324	253,231	288,018	349,674	334,085	365,320	413,895	364,649	276,953	403,487	421,845	394,521	376,776	334,752	353,296	415,249	420,285	390,362	333,312	269,762	
OTHER PUBLIC	DEAD 1/	취	;	1	1	!	1	127	342	16	400	736	1,560	11,281	655	1,267	384	308	866	1,909	5,649	6,181	4,240	6,186	34,853	16,115	68,965	11,930	1,470	1,228	24,687	8,476	31,068	11,686	
110	LIVE		;	1	;	1	:	187,712	207,646	167,629	189,649	226,682	167,171	180,553	217,669	251,964	287,634	349,366	333,087	363,411	408,246	358,468	272,713	397,301	386,992	378,406	307,811	322,822	351,826	414,021	395,598	381,886	302,244	258 076	
ST	TOTAL		123,939	146,287	163,098	201,583	206,512	172,757	217,290	227,894	250,791	330,316	272,733	288,457	400,062	411,925	450,566	433,090	428,176	448,002	472,543	426,611	332,863	385,967	481,759	439,170	382,870	339,847	363,896	321,803	339,443	291,369	316,864	297 105	
NATIONAL FOREST	DEAD 1/		3/	3/	5,675	3/	10,600	19,108	8,439	7,069	10,059	16,740	8,262	6,325	7,339	7,325	8,280	6,478	2,600	21,598	8,850	12,978	6,488	52,602	79,580	52,518	8,735	21,233	43,786	31,405	46,596	5,682	3,154	3 207	3
A.N	LIVE		3/	3/	157,423	3/	195,972	153,649	208,851	220,825	240,732	313,576	264,471	282,132	392,723	404,600	442,286	426,612	425,576	426,404	463,693	413,633	326,375	333,365	402,179	386,652	374,135	318,614	320,110	290,398	292,847	285,687	313,710	293 898	,
YEAR			1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1961	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	)

1/Includes snags and down material existing before logging.

2/Data for other public ownership are combined with private ownership for 1950-54.

3/Data not available.

Source: 1950-76: Washington timber harvest reports by year (published by Pacific Northwest Forest and Range Experiment Station); 1977-81: Timber harvest reports, State of Washington, Department of Natural Resources.

### **Acknowledgments**

### **Metric Equivalents**

### **Literature Cited**

This inventory was completed with the cooperation and assistance of many organizations and individuals. The State of Washington Department of Natural Resources, a cooperator, prepared maps and aerial photos for use in the inventory, and developed equations for estimation of tree volumes; county assessors provided ownership information; the Pacific Northwest Region, USDA Forest Service, and the Colville, Kaniksu, Okanogan, Umatilla, and Wenatchee National Forests provided forest resource inventory data; timber companies and many individual landowners allowed access to their forest lands.

- 1,000 acres = 404.7 hectares (ha)
- 1,000 cubic feet = 28.3 cubic meters ( $m^3$ )
- 1 cubic foot per acre = 0.07 cubic meter per hectare (m³/ha)
- 1 foot = 0.3048 meter (m)
- 1 inch = 2.54 centimeters (cm)
- 1 mile = 1.609 kilometers (km)
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**Bassett, Patricia M.; Oswald, Daniel D.** Timber resource statistics for eastern Washington. Resour. Bull. PNW-104. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; **1983.** 32 p.

This report summarizes a 1980 timber resource inventory of the 16 forested counties in Washington east of the crest of the Cascade Range. Detailed tables of forest area, timber volume, growth, mortality, and harvest are presented.

KEYWORDS: Forest surveys, statistics (forest), timber resources, resources (forest), Washington (eastern).

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# Timber Resource Statistics for the Yakutat Inventory Unit, Alaska, 1975

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### **Abstract**

van Hees, Willem W. S.; LaBau, Vernon J. Timber resource statistics for the Yakutat inventory unit, Alaska, 1975. Resour. Bull. PNW 105. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1984. 31 p.

Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 1975 timber inventory of the Yakutat unit, Alaska. Area of timberland is estimated at 236.3 thousand acres (95.6 thousand ha), net volume of growing stock at 1.1 billion cubic feet (29.9 million  $m^3$ ), and annual net growth and mortality at 5.7 and 1.4 million cubic feet (159.9 and 40.8 thousand  $m^3$ ), respectively.

Keywords: Forest surveys, timber inventory, statistics (forest), resources (forest), Alaska (southeast).

### Summary

This report for the 236.3-thousand-acre (95.6 thousand ha) Yakutat timber inventory unit is the sixth in a series of six reports for southeast Alaska. The Yakutat unit is in the north western end of the southeast Alaska panhandle and stretches from Yakutat Bay on the west to Deception Hills on the east. The Gulf of Alaska establishes the coastal limit of the unit and the Tongass National Forest boundary the inland limit. Except for cities, towns, and private in-holdings, the unit is entirely within the Tongass National Forest.

This is the first general reinventory of forests in the Yakutat unit since the first inventory in 1958. It is also the second remeasurement of the growth and mortality plots established in 1958; the plots were first remeasured in 1967.

Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 1975 timber resource inventory of the Yakutat unit. Area of timberland is estimated at 236.3 thousand acres (95.6 thousand ha), net volume of growing stock at 1.1 billion cubic feet (29.9 million m³), and net annual growth and mortality at 5.7 and 1.4 million cubic feet (159.9 and 40.8 thousand m³), respectively.

### Preface

Forest Inventory and Analysis (FIA) is a nationwide project of the USDA Forest Service authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Work units of the project, located at Forest Service Experiment Stations, conduct forest resource inventories throughout the 50 States. The Pacific Northwest Forest and Range Experiment Station at Portland, Oregon, is responsible for forest inventories in Alaska, California, Hawaii, Oregon, and Washington.

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	Thousand	Thousand
	acres	hectares
Total Yakutat		
inventory unit area:	749.84	303.46
With forests	331.25	134.06
With nonforest	410.17	165.99
With non-Census water	1/	1/
With Census water	8.41	3.41
Forested area:		
Timberland	236.29	95.62
Other forest land	94.96	38.43
Timberland composition:		
Old-growth sawtimber	99.34	40.20
Young-growth sawtimber	87.35	35.35
Poletimber	13.59	5.49
Seedlings and saplings,		
and nonstocked	36.02	14.58
Timberland forest type composition:		
Sitka spruce	155.04	62.74
Hemlock-spruce	10.51	4.25
Western hemlock	15.23	6.16
Mountain hemlock	9.97	4.03
Lodgepole pine	<u>1</u> /	<u>1</u> /
Other softwoods	<u>1</u> /	1/
Red alder	<u>1</u> /	1/
Black cottonwood	45.55	18.44
Other hardwoods	1/	1/

<sup>1/</sup> No data were collected.

Highlights

	Al growing			imber ng stock
	Million cubic feet 2/	Million cubic meters 2/	Million board feet 3/	Million cubic meters 4/
Volumes on timberland:	_			_
Total gross volume	1,111.97	31.47	5,527.48	28.54
Total net volume	1,056.75	29.91	5,263.15	27.01
Annual net growth	5.65	1.59	38.78	.81
Annual net mortality	1.26	.04	4.45	.02

 $<sup>\</sup>underline{2}$ / Volume of roundwood for live trees 5.0 inches (12.7 cm) in d.b.h. and larger.

<sup>3</sup>/ Net volume, International 1/4-inch rule, for trees 11.0 inches (28 cm) in d.b.h. and larger.

<sup>4/</sup> Volume of roundwood for trees 11.0 inches (28 cm) in d.b.h. and larger.

### Introduction

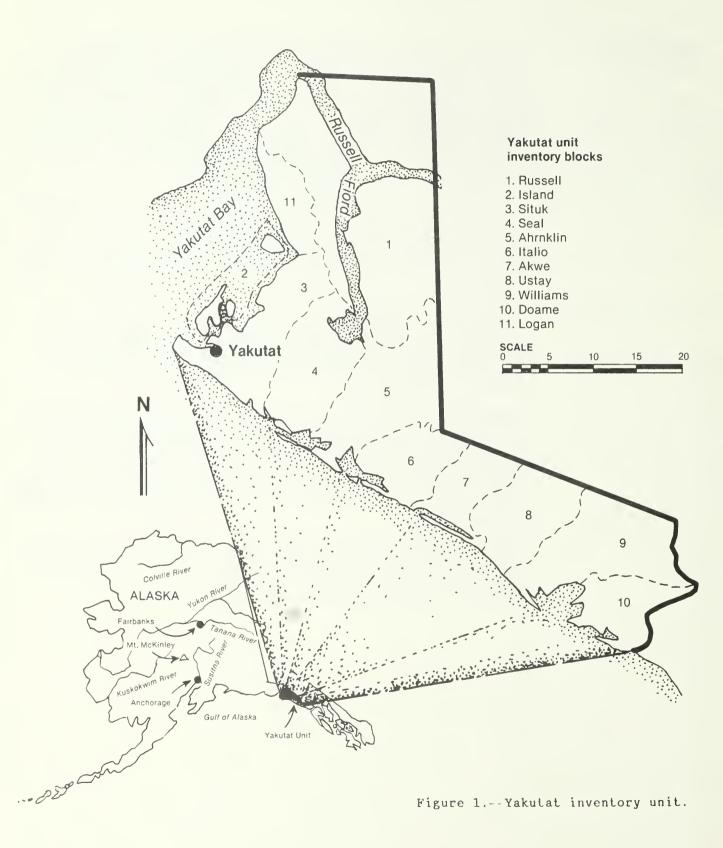
This report for the 236.3-thousand-acre (95.6-thousand-ha) Yakutat timber inventory unit is the sixth in a series of six reports for southeast Alaska. The Yakutat unit is in the north-western end of the southeast Alaska panhandle and stretches from Yakutat Bay on the west to Deception Hills on the east. The Gulf of Alaska establishes the coastal limit of the unit and the Tongass National Forest boundary the inland limit (fig. 1). Except for cities, towns, and private in-holdings, the unit is entirely within the Tongass National Forest.

The Yakutat unit has a marine climate characterized by moderately cool temperatures and relatively high precipitation. In nearby Yakataga, temperatures vary from 22 °F (-5 °C) in the winter to 58 °F (14 °C) in the summer. Annual precipitation is approximately 100 inches (254 cm) including 109 inches (277 cm) of snow.

Geologically, the Yakutat unit is very young. Approximately 10,000 years ago most of the unit was covered with ice. As a result, the entire coastal zone is composed of glacial drift, outwash deposits, glacial moraines, and slightly modified versions of all three.

Although the resultant soils are not very old, the flood plain and older outwash soils are generally well-drained and stratified loamy gravels. At higher elevations, soils tend to be poorly drained, partially decomposed peat. Most of the soils in the Yakutat unit moderately to severely restrict tree growth. Soils good for tree growth occur mainly along the coast and old outwash plains.

This is the first general reinventory of forests in the Yakutat unit since the first inventory in 1958. It is also the second remeasurement of the growth and mortality plots established in 1958; the plots were first remeasured in 1967.



Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 19/5 timber resource inventory of the Yakutat unit. Timberland area is estimated at 236.3 thousand acres (95.6 thousand ha), net growing stock volume at 1.1 billion cubic feet (29.9 million m<sup>3</sup>), and net annual growth and mortality at 5.7 and 1.4 million cubic feet (159.9 and 40.8 thousand m<sup>3</sup>), respectively.

### Inventory Procedures

The estimates of area and timber volumes from the 1975 timber reinventory are based on a double sampling (2 phase) technique (Bickford 1952). In the first phase of the sampling study, 4,684 photo points were systematically distributed over 1:15,840 scale aerial photographs, then interpreted. Each photo point was classified by land type. From the 4,684 photo points, a field sample of 132 ground plots was selected. Tree measure ments were made on these plots in the second phase of the sampling. Corrected area classifications and measurements of volume on these ground plots served as the basis for the area and volume estimates presented in this report.

Estimates of growth and mortality volumes presented are from 1975 remeasurements of 57 timber inventory plots established in 1958. Growth information from the reinventory plots was based on increment borings; the mortality estimates were based on estimations of the number of years since the trees died. Because mortality information is difficult to obtain this way, we used both the mortality and growth information from the remeasurement data rather than that from the reinventory data. The area base for the 1975 estimates of growth and mortality was calibrated to coincide with the area found in the 1975 timber re inventory.

### Ownership Statistics

Statistics on land ownership are not presented in this report because of uncertainties of land status changes associated with Alaska Native and State of Alaska land selections and wilderness area withdrawals. These changes in land status are the result of Federal legislation: the Alaska Statehood Act of 1958, Public Law 85 508; the Alaska Native Claims Settlement Act of 1971, Public Law 92 203; and the Alaska National Interest Lands Conservation Act, Public Law 96 487. Alaska Native land selections and decisions on wilderness withdrawals seemed nearly settled at the end of 1982, but Alaska State selections will remain uncertain for the next 5 10 years. Fieldwork for our study was completed in 1975; we have delayed publishing the results, anticipating that shifts in land ownership would be resolved by now and the information on ownership could be reprocessed and resummarized for inclusion here.

With the promise of further delays in resolving ownership changes, we decided to release the statistics available now. Statistics on ownership and reserved land status plus a resource analysis will be presented in the future when the status of land shifts is more clear. It is clear now, however, that the Alaska Native and State of Alaska land selections are concentrating on timberlands, which will leave less of the better timberland in Federal ownership.

## Reliability of Inventory Data

All area and volume statistics reported here are estimates based on sampling and are subject to sampling error. Sampling errors for all the estimates presented in the tables are available on request. The reliability of the inventory is expressed in terms of relative sampling error at the 68-percent confidence level:

	sampling	Sampling error achieved	of the
		Percent	
Timberland area: Per million acres For the total 236.3 thousand acres	3.0	1.7	3.4
Other forest land area: Per million acres For the total 28.8 thousand acres	10.0	5.9	34.8
Net growing stock volume on timberland: Per billion cubic feet For the total 1.1 billion ft <sup>3</sup>	10.0	4.2	4.1
Net growth of growing stock on timberland: Per billion cubic feet For the total 12.1 million ft <sup>3</sup>	10.0	1.6	15.0

For the Yakutat inventory unit, we estimate 1.057 billion cubic feet of net growing-stock volume,  $\pm$  4.07 percent, yielding 68-percent confidence limits of 1.013 and 1.099 billion cubic feet. This confidence level means that upon repeated sampling, about 68 percent of the confidence limits constructed for each sample would capture the true value of the parameter being estimated.

### Terminology 5/

<u>Allowable cut</u>—The volume of timber that could be cut on timberland during a given period under specified management plans for sustained production, such as those in effect on National Forests.

Census water—Areas of water classed as water by the Bureau of the Census that are at least 40 acres (16 ha) in size with a minimum width of one-eighth mile (200 m). (Also see non-Census water.)

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

<u>Commercial species</u>—A tree species suitable for industrial wood products.

<u>Cull logs</u>—Softwood sawtimber logs with two-thirds or more of the board-foot volume in cull material. Hardwood sawtimber logs with one-half or more of the volume in cull material.

<u>Cull material</u> -- Portions of a tree unusable for industrial products because of rot, form, or other defect.

<u>Cull trees</u>—Live trees of sawtimber or poletimber size that are not merchantable for saw logs nor are they likely to become merchantable because of defect, rot, or species.

 $\underline{\text{D.b.h.}}$ --Diameter at breast height, a point 4-1/2 feet (1.37 m) above the ground on the uphill side of a tree, where, on a normally formed tree, the diameter is measured.

Diameter class—A classification of trees based on diameter of the tree outside the bark measured at breast height, 4-1/2 feet (1.37 m) above the ground. D.b.h. is the common abbreviation for "diameter at breast height." Each 2-inch diameter class is assigned to the appropriate even inch at midpoint. For example, the 6-inch class includes trees 5.0 through 6.9 inches d.b.h.

Established seedling—A tree 6.0 inches (15.24 cm) tall, up to 1.0 inch (2.54 cm) in diameter, with good coloration, no evidence of disease, and with a root system preferably in contact with the mineral soil. For seedlings growing on stumps or logs to be tallied, they must be well enough established to survive after the supporting material has decayed.

<sup>5/</sup> Terminology is from USDA Forest Service, Forest Service Handbook, Title 4813.1, 1967, and the manual of field instructions for the forest survey of coastal Alaska, 1970.

Forest land—Land at least 16.7 percent stocked by live trees of any size, or land formerly having such tree cover and not currently developed for nonforest use. Includes chaparral areas in the western United States and afforested areas. The minimum area for classification as forest land or subclasses of forest land is 1 acre (0.4 ha). Roadside, streamside, and shelterbelt strips of timber must be at least 120 feet (36 m) wide to be classified as forest land. Unimproved road and trails, streams, and clearings in forest areas must be less than 120 feet wide to be classified as forest land. (Also see timberland, other forest land, reserved forest land, and nonforest land.)

Forest trees—Woody plants having a well-developed stem and usually more than 12 feet tall, including both growing stock and cull trees.

Forest types—A classification of forest land based on the species forming a plurality of stocking on the area currently occupied by tree cover. The following summarizes the forest types of coastal Alaska:

Alaska-cedar—Forests in which Alaska-cedar comprises the plurality of the stocking. Common associates are mountain or western hemlock, lodgepole pine, western redcedar, and occasionally Sitka spruce.

Black cottonwood--Forests in which cottonwood comprises the plurality of the stocking. Common associates are red alder and Sitka spruce.

Fir-spruce--Forests in which subalpine or Pacific silver fir in combination with Sitka spruce comprises the plurality of the stocking. Common associates are black cottonwood, mountain hemlock, and western hemlock.

Hemlock-spruce--Forests in which 50 percent or more of the stand is western hemlock or mountain hemlock and where Sitka spruce comprises 30-49 percent of the stocking. Common associates are Alaska-cedar, western redcedar, and occasionally cottonwood, red alder, or lodgepole pine.

Lodgepole pine -- Forests in which lodgepole pine comprises the plurality of the stocking. Common associates are mountain hemlock, Alaska-cedar, and western hemlock.

Mountain hemlock—Forests in which mountain hemlock comprises the plurality of the stocking. Common associates are western hemlock and Alaska-cedar.

Other hardwoods—Forests in which noncommercial hardwoods, such as willow and alder other than red alder, comprise the plurality of the stocking. Common associates are black cottonwood and Sitka spruce.

Other softwoods--Forests in which noncommercial softwoods, such as Pacific yew, and junipers comprise the plurality of the stocking. Common associates are Alaska cedar and mountain hemlock.

Pacific silver fir--Forests in which Pacific silver fir comprises the plurality of the stocking. Common associates are black cottonwood, Sitka spruce, mountain hemlock, and western hemlock.

Red alder--Forests in which red alder comprises the plurality of the stocking. Common associates are black cottonwood, Sitka spruce, western hemlock, and occasionally western redcedar and/or Alaska-cedar.

Sitka spruce—Forests in which Sitka spruce comprises the plurality of the stocking. Common associates are western hemlock, western redcedar, and occasionally cottonwood, red alder, and Alaska-cedar.

Subalpine fir--Forests in which subalpine fir comprises the plurality of the stocking. Common associates are black cottonwood, Sitka spruce, mountain hemlock, and western hemlock.

True fir- Forests in which Pacific silver fir and subalpine fir comprise the plurality of the stocking. Common associates are black cottonwood, Sitka spruce, mountain hemlock, and western hemlock.

Western hemlock- Forests in which western hemlock comprises the plurality of the stocking. Common associates are Sitka spruce, Alaska-cedar, western redcedar, mountain hemlock, and occasionally cottonwood, red alder, or lodgepole pine.

Western redcedar—Forests in which western redcedar comprises the plurality of the stocking. Common associates are Sitka spruce, western hemlock, Alaska—cedar, and occasionally cottonwood, red alder, and mountain hemlock.

<u>Gross growth</u>--Net annual growth plus the annual growth on mortality.

Growing stock trees- All live trees except cull trees.

Growing stock volume— Net volume in cubic feet of live sawtimber and poletimber growing stock trees from stump to a minimum 4.0-inch (10-cm) top (of central stem) outside the bark. Net volume equals gross volume less deductions for rot and missing bole sections.

Growth--See net annual growth, gross growth, and ingrowth.

Hardwoods (1) Trees that are angiosperms, usually broad leaved and often deciduous. (2) Forests predominantly cottonwood or red alder, singly or in combination.

<u>Ingrowth</u>—The net volume of trees that grew into poletimber or sawtimber growing stock during a specified year.

Inoperable timberland—Includes areas of timberland that are presently inoperable because of marginal volume (usually less than 20,000 board feet per acre) or rough, rocky, cliffy, or otherwise broken terrain. This also includes pockets of high volume timberland that are isolated or more than one-fourth mile (396 m) from operable timberland areas. (Also see operable timberland.)

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

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

<u>Land class</u>—A classification of land by major use, such as timberland, other forest, and nonforest. The minimum size area for classification is 1 acre (0.4 ha).

<u>Log grades</u>--A classification of logs based on external characteristics as indicators of quality or value.

Management blocks--Units delineated for timber management by the National Forest System of the USDA Forest Service, usually oriented to islands and/or watershed complexes.

Mean annual increment (MAI)—A measure of the productivity of forest land in terms of the average increase in cubic-foot volume per acre per year. The FIA minimum standard for timberland is the ability to produce 20 cubic feet per acre  $(1.4~\text{m}^3/\text{ha})$  per year.

Merchantable height—Height of a tree expressed in the number of 16-foot (5-m) logs to a merchantable top.

Merchantable saw log- For softwood sawtimber, a merchantable saw log must be at least 12 feet (3.6 m) long to a minimum top of 7.0 inches (18 cm) outside the bark or to a top diameter inside the bark that is 40 percent of d.b.h. At least one third of its board-foot volume must be in sound, recoverable wood. For hardwood sawtimber, a merchantable saw log must be at least 8 feet (2.5 m) long to a minimum top of 9.0 inches (23 cm) outside the bark or to a top diameter inside the bark that is 40 percent of d.b.h. At least half its board-foot volume must be in sound, recoverable wood.

Merchantable stem— For softwoods, the portion of the tree be tween the 1-foot (0.3-m) stump and either the top diameter of 7.0 inches (18 cm) outside the bark or to a top diameter inside the bark that is 40 percent of d.b.h., whichever is larger. For hardwoods, the portion of the tree between the 1-foot stump and either the top diameter of 9.0 inches (23 cm) outside the bark or to a top diameter inside the bark that is 40 percent of d.b.h., whichever is larger.

Merchantable top- The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum merchantable top is 7.0 inches (18 cm) outside the bark for softwoods, and 9.0 inches (23 cm) outside the bark for hardwoods.

Merchantable tree-A merchantable tree must be producing or be capable of producing at least one merchantable saw log which is at least 50-percent sound for hardwoods or 33-percent sound for softwoods, board-foot measure. All poletimber that is less than 50-percent sound, cubic-foot measure, and all saplings with any sign of rot are not considered merchantable trees, but rotten culls. All trees that are of such poor form that they will never produce a merchantable saw log are not classed as merchantable trees, but as sound culls or rough trees.

Mortality- Number of or the sound wood volume from live trees dying from natural causes during a specified period.

Mortality of growing stock- The volume of sound wood in live sawtimber and poletimber trees dying annually from natural causes during a specified period.

Mortality of sawtimber- The net board foot volume of sawtimber trees dying annually from natural causes during a specified period.

Mortality tree- On plots being measured for the first time, a tree of commercial species at least 1 inch (2.54 cm) in d.b.h. or larger that has died within the past 5 years; on plots being remeasured, a tree of commercial species at least 1 inch in d.b.h. that has died since the previous measurement was made.

Net annual growth—The increase in net volume of wood for growing stock trees during a specified year. Components of net annual growth are: (a) the increment in net volume of trees alive at the beginning of the specified year, including that on periodic mortality, plus (b) the net volume of trees reaching sawtimber or poletimber size during the year, minus (c) the net volume of trees that died during the year, minus (d) the net volume lost to tree decay during the year.

Net volume- The gross volume of a tree less deductions for rot, sweep, or other defect affecting product use.

Non-Census water- Areas of water classed as land area by the Bureau of the Census, but that are either 1-40 acres (0.4-16 ha) in area or have a minimum width of 120 feet (36 m) and a maximum width of one-eighth mile (200 m). (Also see Census water.)

Noncommercial species—Tree species of typically small size, poor form, or inferior quality that normally is not suitable for industrial products.

Nonforest land- Land that does not qualify as forest land. Includes land that has never supported forests and lands formerly forested where forest use is precluded by development for nonforest uses. Included are lands used for agricultural crops, improved pasture, residential areas, and city parks, improved roads, operating railroads and their right-of-way clearings, and pipeline clearings. If intermingled in forest areas, unimproved roads, streams, canals, and nonforest strips must be more than 120 feet (36 m) wide, and clearings or other areas must be lacre (0.4 ha) or larger to qualify as nonforest land.

Nonstocked land- Timberland less than 16.7 percent stocked with growing stock trees.

Old-growth stands—Stands with at least 50 percent of the live tree stocking per acre comprised of old-growth trees.

Old-growth trees- Trees that have reached or passed the age of physiological maturity, assumed to be 150 years for coastal Alaska.

Operable timberland- All timberland considered silviculturally and economically operable. This includes areas on stable soils, on slopes that are not too steep to log without causing serious site damage, and stands valuable enough to pay the logging costs using the methods and costs in effect at the time of the inventory. Stands that require new, undeveloped logging methods are not in the operable class.

Other forest land- Unproductive forest land incapable of yielding crops of industrial wood because of adverse site conditions. This includes sterile or poorly drained forest land, subalpine forests, and steep rocky areas where topographic conditions are likely to prevent management for timber production indefinitely. In coastal Alaska, this includes forest lands that are not capable of producing 8,000 board feet per acre (net International 1/4-inch rule).

<u>Poletimber stands</u>—Stands at least 16.7 percent stocked with growing stock trees, with half or more of this stocking in poletimber and sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

<u>Poletimber trees- Growing stock trees 5.0 to 10.9 inches (12.5 to 27.5 cm) in d.b.h.</u>

Quality saw log--See merchantable saw log.

Reserved forest land Forest land withdrawn from timber utilization through statute or administrative regulation.

Rotten trees— Live trees at least 5 inches (12.7 cm) in d.b.h. that do not contain a saw log and are not likely to, primarily because of rot.

Rotten cull trees-Live trees that do not contain a merchantable saw log and are not likely to, primarily because of rot.

Rough trees Live trees that do not contain a merchantable saw log and are not likely to, primarily because of roughness, poor form, or they are noncommercial species.

Salvable dead trees. Standing or down dead trees of commercial species at least 11.0 inches (28 cm) in d.b.h., containing at least 50 percent of their volume in sound wood, and with at least one merchantable saw log.

Sapling stands- See seedling and sapling stands.

Sapling trees—Trees 1.0 to 4.9 inches (2.5 to 12.5 cm) in d.b.h.

Saw log-A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet (2.5 m) long, sound and straight, and with a minimum small-end diameter of 6.0 inches (15 cm) inside the bark for softwoods and 8.0 inches (20 cm) for hardwoods.

Saw-log portion- The bole of sawtimber trees between the stump and the saw-log top.

Saw-log top- The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum top diameter is 7.0 inches (18 cm) outside the bark for softwoods and 9.0 inches (23 cm) outside the bark for hardwoods.

<u>Sawtimber stands</u>— Stands at least 16.7 percent stocked with growing stock trees, with half or more of this stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to that of poletimber.

Sawtimber trees- Growing stock trees at least 11.0 inches (28 cm) in d.b.h.

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

Scribner, bureau scale-- A common timber scaling rule using 32-foot log lengths.

Scribner rule— The common board-foot timber scaling rule used locally in determining volume of sawtimber.

Seedling and sapling stands—Stands at least 16.7 percent stocked with growing stock trees and with saplings and/or seedlings comprising more than half this stocking.

Seedling An established tree less than 1.0 inch (2.5 cm) in d.b.h.

Site class: A classification of forest land based on its capacity to grow crops of industrial wood.

Softwoods—Coniferous trees, usually evergreen with needles or scalelike leaves. Species in coastal Alaska are Sitka spruce, western hemlock, mountain hemlock, Alaska—cedar, western redcedar, lodgepole pine, Pacific silver fir, subalpine fir, and Pacific yew.

Sound cull tree- See rough tree.

Stand age class—A classification of forest land based on the predominant age of trees in a given stand.

Stand size class—A classification of forest land based on the predominant size of timber present: sawtimber, poletimber, or seedlings and saplings.

Stocking—A measure of the area occupied by trees of specified classes. FIA forest inventories consider three categories of stocking: all live trees, growing stock trees, and desirable trees. Stocking of all live trees is used to delineate forest land and forest types. Stocking of growing stock trees is used in classifications of stand size and stand age. Stocking of desirable trees is used to delineate area condition classes.

Stump height- For all timber volume estimates, 1 foot (0.3 m).

<u>Timber harvest- Volume of roundwood removed from forest land for products.</u>

Timberland—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization. Areas qualifying as timberland could produce in excess of 20 cubic feet per acre (1.4 m³/ha) per year of industrial wood under management. In old-growth forests of coastal Alaska, this is equated to stands that could produce 8,000 board feet per acre (net International 1/4-inch rule).

Tree size class——A classification of sawtimber trees, poletimber trees, saplings, and seedlings based on the diameter at breast height.

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

<u>Volume of growing stock</u>--Volume of sound wood in the bole of live growing stock sawtimber and poletimber trees from stump to a minimum 4.0-inch (10-cm) top outside the bark or to the point where the central stem breaks into limbs.

<u>Volume of salvable dead sawtimber-sized trees</u>-Net volume of standing or down, dead, sawtimber-sized trees that contain 50-percent sound board-foot volume.

<u>Volume of sawtimber</u>—Net volume of the saw-log portion of live growing stock sawtimber trees, expressed in board feet.

Water -- See Census water and non-Census water.

Young-growth stands- Stands with at least 50 percent of the live-tree stocking per acre comprised of young-growth trees.

Young-growth trees- Trees that have not passed the age of physiological maturity, assumed to be 150 years for coastal Alaska.

### Names of Trees 6/

Common name

Scientific name

### Softwoods:

Alaska-cedar

Fir, Pacific silver Fir, subalpine Hemlock, mountain Hemlock, western Pine, lodgepole Redcedar, western Spruce, Sitka Yew, Pacific

Chamaecyparis nootkatensis (D. Don) Spach Abies amabilis (Dougl.) Forbes A. lasiocarpa (Hook.) Nutt. Tsuga mertensiana (Bong.) Carr. T. heterophylla (Raf.) Sarg. Pinus contorta Dougl. Thuja plicata Donn Picea sitchensis (Bong.) Carr. Taxus brevifolia Nutt.

### Hardwoods:

Alder, red Cottonwood, black Willow, Barclay Willow, Bebb Willow, feltleaf Willow, grayleaf Willow, hooker Willow, Sitka Willow, Pacific

Alnus rubra Bong. Populus trichocarpa Torr. & Gray Salix barclayi Andersz. S. bebbiana Sarg.

- S. alaxensis (Anderss.) Cov.
- S. glauca L.
- S. hookeriana Barratt
- S. sitchensis Sanson
- S. lasiandra Benth.

<sup>6/</sup> Scientific names are according to Viereck and Little (1972).

### **Tables**

Estimates in this report are developed from statistically based samples and therefore are subject to sampling error. Sampling errors for estimates of various sizes are presented in the section "Reliability of Inventory Data."

TABLE 1--AREA OF FOREST LAND BY FOREST TYPE AND FOREST LAND CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}/$ 

FOREST TYPE	TIMBERLAND	OTHER FOREST	ALL CLASSES
	ТНО	USAND ACR	ES
SOFTWOODS:			
SITKA SPRUCE	155.04	37.74	192.78
HEMLOCK-SITKA SPRUCE	10.51	5.82	16.33
WESTERN HEMLOCK	15.23	3.88	19.11
MOUNTAIN HEMLOCK	9.96	1.94	11.90
LODGEPOLE PINE			
OTHER SOFTWOODS	-		denn days
TOTAL	190.74	49.38	240.12
HARDWOODS:			
RED ALDER		***	-
BLACK COTTONWOOD	45.55	45.58	91.13
OTHER HARDWOODS			
TOTAL	45.55	45.58	91.13
ALL TYPES	236.29	94.96	331.25

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

TABLE 2--AREA BY LAND CLASS AND MANAGEMENT 8LOCK, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}/$ 

LANO CLASS	LOGAN	ISLAND	SITUK	SEAL	AHRNKLIN	ITALIO	AKWE	USTAY	WILLIAMS	DOAME	RUSSELL	ALL 8LOCKS
							ACRES					
TIMBERLAND:												
SEEDLING AND SAPLING,												
AND NONSTOCKEO			1,993		2,430			2,376	6,273	22,945		36,018
POLETIMBER				1,878	1,993				1,943	7,772		13,586
SAWTIMBER VOLUME				-,	-,				-,	,,		10,500
STRATA 2/												
LESS THAN 8,000					3,871	1,993		1,878		3,756	~-	11,499
8,000-20,000	1,993		11,908	10,240	17,737	2,268	6,199	1,993	6,204	3,986	7,742	70,270
20,001-30,000	2,268		10,765	11,066	4,537	4,511	4,261	2,268				39,676
30,001-50,000		4,280	4,485	10,732	6,753		4,261	10,732	8,739	2,242	2,268	54,492
50,001 OR MORE							8,509	2,242				10,751
30,002 01 110110								-,				
TOTAL	4,261	4,280	29,151	33,916	37,321	8,772	23,230	21,489	23,159	40,701	10,010	236,292
OTHER FOREST LANO:												
ROCKY												
LOW VOLUME 3/			3,881	8,212	7,693	6,044	1,938	4,106	5,819	8,469	23,138	69,300
MUSKEG FOREST			2,168	3,876	7,753	4,106	3,876	3,881				25,659
HIGH ELEVATION FOREST												
SLIOE ZONE	_										-	
OTHER NONPRODUCTIVE												
TOTAL			6,049	12,088	15,446	10,150	5,814	7,987	5,819	8,469	23,138	94,959
NEW LANDS:												
GLACIAL OUTWASH												
GLACIAL TILL								3,531			3,351	7,061
UPLIFTED BEACH			1.765	1,765	7.061						1,765	12,357
SANO DUNE						1,765			****			1,765
RIVER FILL	*** ***				1,765					3,531		5,296
TOTAL	***		1,765	1,765	8,826	1,765		3,531		3,351	5,116	26,479
NONFOREST:			1 000			1 000	1 000			3 000		2 555
FARMS AND GRASSLANDS			1,889			1,889	1,889			1,889		7,555
ALDER SHRUBLAND	7 555				1,889	1,889		1,889	1,889	1,889	13,221	22,665
NON-ALDER SHRUBLAND	7,555		3,777	13,221	11,332	7,834	9,444	15,110	18,887	3,777	37,774	128,712
ALPINE MEADOW			2 555	2 555								
MUSKEG MEADOW			7,555	7,555	5,666	5,666	1,889		1,889			30,220
URBAN ANO OTHER												105 366
ALPINE ROCK	3,777				5,666	**	3,777	5,666	13,221		73,660	105,768
ICE ANO SNOWFIELDS	1,889				3,777		1,889	5,666	13,221		62,328	88,770
TOTAL	13,221		13,221	20,776	28,330	17,278	18,888	28,331	49,107	7,555	186,9B3	383,690
NON-CENSUS WATER 4/					2,805	2,805			2,805			8,415
ALL LANDS	17,482	4,280	50,185	68,545	92,728	40,769	47,932	61,338	80,890	60,257	225,428	749,836

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}/$  Totals may be off because of rounding.

 $<sup>\</sup>underline{2}$ / Board feet, Scribner scale, except base value of 8,000 board feet, which is International 1/4-inch rule.

<sup>3/</sup> Less than 8,000 board feet per acre, International 1/4-inch rule.

<sup>4/</sup> Water as classified by Forest Inventory and Analysis standards.

TABLE 3--NUMBER OF GROWING STOCK TREES ON TIMBERLAND 8Y SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

	DIAMETER CLASS (INCHES AT 8REAST HEIGHT)										
SPECIES	SEEDLINGS LESS THAN 1.0	1.0-	11.0-	2I.O- 30.9	3I.O- 40.9	41.0-	51.0 AND LARGER	ALL CLASSES			
			Ti	HOUSAND TREE							
SOFTWOODS:											
SITKA SPRUCE	76,703.38	27,129.28	9.451.75	1,851.87	388.38	71.95	15.70	I15,612.30			
LODGEPOLE PINE											
WESTERN HEMLOCK	21,654.20	6,895.56	2,107.94	409.51	68.75	2.72		31,138.6			
MOUNTAIN HEMLOCK	12,069.74	2,394.07	541.96	141.68	5.96			15,153.4			
TOTAL	110,427.32	36,418.91	12,101.64	2,403.06	463.09	74.68	I5.70	161,904.3			
HARDWOODS:											
RED ALDER	44.68							44.6			
8LACK COTTONWOOD	9,022.19	8,062.46	1,970.50	131.37	10.58			19,737.0			
OTHER HARDWOODS								-			
TOTAL	9,066.87	8,062.46	1,970.50	131.37	10.58	Acc 500		19,737.0			
ALL SPECIES	119,494.19	45,021.37	14,072.14	2,534.43	473.67	74.68	15.70	181,686.I			

TABLE 4--NUMBER OF GROWING STOCK TREES ON OLD-GROWTH TIMBERLAND 8Y SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}/$ 

	DIAMETER CLASS (INCHES AT 8REAST HEIGHT)											
SPECIES	SEEDLINGS LESS THAN 1.0	1.0- 10.9	11.0- 20.9		_	41.0- 50.9	51.0 AND LARGER	ALL CLASSES				
			$T_{i}$	HOUSAND TREE	ss.			-				
SOFTWOODS:												
SITKA SPRUCE	27,672.38	6,404.76	3,625.07	1,157.68	292.92	56.88	15.70	39,225.39				
LODGEPOLE PINE						***						
WESTERN HEMLOCK	18,055.72	5,980.44		395.72	68.75	2.72		26,452.25				
MOUNTAIN HEMLOCK	8,313.45	2,033.50	501.51	131.14	5.96			10,985.55				
TOTAL	54,041.54	14,418.69	6,075.48	1,684.54	367.63	59.61	15.70	76,663.19				
HARDWOODS:												
RED ALDER												
8LACK COTTONWOOD		40.68	192.65	51.48	8.55			293.36				
OTHER HARDWOODS												
TOTAL		40.68	192.65	51.48	8.55			293.36				
ALL SPECIES	54,041.54	14,459.37	6,268.13	1,736.01	376.18	59.61	15.70	- 76,956.55				

<sup>--</sup> = no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>--</sup> = no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 5--NUMBER OF GROWING STOCK TREES ON YOUNG-GROWTH TIMBERLAND BY SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}/$ 

		DIAM	ETER CLASS	(INCHES AT BREAST HEIGHT)						
SPECIES	SEEDLINGS LESS THAN 1.0		11.0-20.9			41.0- 50.9	51.0 AND LARGER	ALL CLASSES		
	THOUSAND TREES									
SOFTWOODS:										
SITKA SPRUCE	49,030.99	20,724.52	5,826.67	694.19	95.46	15.07		73,386.90		
LODGEPOLE PINE	an un									
WESTERN HEMLOCK	3,598.49	915.12	159.04	13.79				4,686.43		
MOUNTAIN HEMLOCK	3,756.29	360.57	40.45	10.54				4,167.86		
TOTAL	56,385.77	22,000.21	6,026.16	718.52	95.46	15.07		85,241.19		
HARDWOODS:										
RED ALDER	44.68							44.68		
BLACK COTTONWOOD	9,022.19	8,561.78	1,777.B4	79.90	2.03			19,443.74		
OTHER HARDWOODS										
TOTAL	9,066.87	8,561.78	1,777.84	79.90	2.03			19,488.42		
ALL SPECIES	65,452.64	30,561.99	7,B04.00	798.41	97.49	15.07		104,729.61		

TABLE 6--NUMBER OF GROWING STOCK MORTALITY TREES PER YEAR ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

		DIAMET	ER CLASS	(INCHES	AT BREAS	ST HEIGHT)			
SPECIES	1.0-					51.0 AND LARGER			
	THOUSAND TREES								
SOFTWOODS:									
SITKA SPRUCE	1,078.21	27.10	2.84	4.37	1.46		1,113.97		
LODGEPOLE PINE									
WESTERN HEMLOCK	95.97						95.97		
MOUNTAIN HEMLOCK	42.22						42.22		
TOTAL	1,216.40	27.10	2.84	4.37	1.46		1,252.17		
HARDWOODS:									
RED ALDER									
BLACK COTTONWOOD		16.84	4.51				21.34		
OTHER HARDWOODS									
TOTAL		16.84	4.51				21.34		
ALL SPECIES	1,216.40	43.94	7.35	4.37	1.46		1,273.53		

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

TABLE 7--NET VOLUME OF GROWING STOCK ON TIMBERLAND, IN CUBIC FEET AND VOLUME PER ACRE, BY FOREST TYPE AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}/$ 

FOREST TYPE AND UNIT	SAWTIMBER					
	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLINGS AND SAPLINGS	NONSTOCKED	ALL CLASSES
HEMLOCK-SPRUCE:						
FT <sup>3</sup>	74,425,662					74,425,662
ACRES	10,509					10,509
FT <sup>3</sup> /ACRE	7,082					7,082
SITKA SPRUCE:						
FT <sup>3</sup>	389,73B,800	372,925,216	9,523,495	5,943,914		778,131,405
ACRES	63,592	69,920	7,707	13,B21		155,041
FT <sup>3</sup> /ACRE	6,129	5,334	1,236	430		5,019
OUNTAIN HEMLOCK:						
FT <sup>3</sup>	35,222,316					35,222,316
ACRES	9,965					9,965
FT <sup>3</sup> /ACRE	6,129					3,535
WESTERN HEMLOCK:						
FT <sup>3</sup>	102,730,362	9,433,883				112,164,248
ACRES	13,282	1,943	and the		non-free	15,225
FT <sup>3</sup> /ACRE	7,735	4,855				7,367
LODGEPOLE PINE:	-					
ACRES						
FT <sup>3</sup> /ACRE						
RED ALDER:						
FT <sup>3</sup>						
ACRES						
FT <sup>3</sup> /ACRE				~-		
BLACK COTTONWOOD:						
FT <sup>3</sup>	6,356,714	39,650,021	8,722,365	2,086,356	0	56,815,456
ACRES	1,993	15,485	5,879	21,710	487	45,554
FT <sup>3</sup> /ACRE	3,190	2,561	1,484	96	0	1,247
ALL TYPES:					-	
FT3	608,473,843	422,009,110	18,245,860	8,030,270	0	1,056,759,046
ACRES	99,341	87,349	13,586	35,531	487	236,293
FT <sup>3</sup> /ACRE	6,125	4,831	1,343	226	0	4,472
FI / HORE	0,123	4,031	1,343	220	•	7,4/2

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 8--NET VOLUME OF SAWTIMBER ON TIMBERLAND, IN BOARD FEET INTERNATIONAL 1/4-INCH RULE AND VOLUME PER ACRE, 8Y FOREST TYPE AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975 1/

	SAWTIMBER					
FOREST TYPE ANO UNITS	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLINGS AND SAPLINGS	NONSTOCKED	ALL CLASSES
HEMLOCK-SPRUCE:						
F8M 2/	362,286,022	on the				362,286,022
ACRES	10,509					10,509
F8M/ACRE	34,474			wite sales		34,474
SITKA SPRUCE:						
F8M	2,181,533,429	1,846,391,136	11,366,512	8,782,747		4,048,073,677
ACRES	63,592	69,920	7,707	13,821		155,041
F8M/ACRE	34,305	26,407	1,475	635		26,111
MOUNTAIN HEMLOCK:						
F8M	146,064,664					146,064,664
ACRES	9,965					9,965
F8M/ACRE	14,658					14,658
WESTERN HEMLOCK:						
F8M	504,479,552	21,713,630				526,193,184
ACRES	13,282	1,943				152,225
F8M/ACRE	37,982	11,175				34,561
LODGEPOLE PINE:						
FBM						
ACRES						
F8M/ACRE				on the		
REO ALOER:						
FBM						
ACRES						***
F8M/ACRE		are see				
BLACK COTTONWOOD:						
F8M	25,537,844	139,449,434	15,037,278	455,556	0	180,530,109
ACRES	1,993	15,485	5,879	21,710	487	45,554
F8M/ACRE	12,814	9,009	2,558	21	0	3,963
ALL TYPES:			06 100 700	0.000.000		5 0/0 1/3 /1/
F8M	3,219,901,485	2,007,604,173	26,403,789	9,238,303	0	5,263,147,616
ACRES	99,341	87,349	13,586	35,531	487	236,293
P8M/ACRE	32,413	22,984	1,943	260	0	22,274

<sup>--</sup> = no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>2/</sup> F8M = board foot measure, International 1/4-inch rule.

TABLE 9-- NET VOLUME OF TIMBER, CUBIC FEET, ON TIMBERLAND BY CLASS OF TIMBER AND BY SOFTWOODS AND HARDWOODS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
	MIL	LION CUBIC FE	ET
SAWTIMBER TREES: SAW-LOG PORTION UPPER-STEM PORTION	867.39 24.96	59.99 2.19	927.38 27.15
TOTAL	892.35	62.19	954.54
POLETIMBER TREES	84.48	17.74	102.22
ALL GROWING STOCK	976.83	79.93	1,056.76
ROUGH TREES	.75	. 46	1.21
ROTTEN TREES	15.40	1.33	16.73
SALVABLE DEAD TREES	3.36	. 37	3.73
ALL TIMBER	996.34	81.68	1,078.02

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

TABLE 10--NET VOLUME OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

	1	DIAMETER CL	ASS (INCH	ES AT BREA	AST HEIGHT)				
SPECIES	11.0-20.9	21.0- 30.9			51.0 AND LARGER	ALL CLASSES			
	MILLION BOARD FEET								
SOFTWOODS:									
SITKA SPRUCE	1,838.53	1,369.97	607.22	217.82	57.99	4,091.53			
LODGEPOLE PINE									
WESTERN HEMLOCK	403.60	248.85	83.35	4.84		740.65			
MOUNTAIN HEMLOCK	94.16	59.26	3.88			157.31			
TOTAL	2,366.29	1,678.08	694.45	222.66	57.99	4,989.49			
HARDWOODS: RED ALDER									
BLACK COTTONWOOD	213.19	53.09	7.38			273.66			
OTHER HARDWOODS									
TOTAL	213.19	53.09	7.38			273.66			
ALL SPECIES	2,549.48	1,731.17	701.83	222.66	57.99	5,263.15			

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 11--NET VOLUME OF OLD GROWTH, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

		DIAMETER CLASS (INCHES AT BREAST HEIGHT)							
SPECIES	11.0-	21.0-	31.0-	41.0-	51.0 AND	ALL			
	20.9				LARGER				
	MILLION BOARD FEET								
SOFTWOODS:									
SITKA SPRUCE	772.79	857.43	459.91	166.58	57.99	2,314.7			
LODGEPOLE PINE			400 400		wan wan				
WESTERN HEMLOCK	380.70	241.49	83.35	4.84		710.3			
MOUNTAIN HEMLOCK	85.11	53.70	3.88			142.0			
TOTAL	1,238.59	1,152.61	547.15	171.43	57.99	3,167.			
HARDWOODS: RED ALDER									
BLACK COTTONWOOD	25.93	20.95	5.24			52.			
OTHER HARDWOODS						,			
TOTAL	25.93	20.95	5 24			52.			
TOTAL	23.93	20.73	3.24			32.			
ALL SPECIES	1 264 52	1,173.57	552 30	171 43	57 00	3,219.			

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 12--NET VOLUME OF YOUNG GROWTH, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHFAST COASTAL ALASKA, 1975  $\underline{1}/$ 

	D	IAMETER C	LASS (INC	HES AT BI	REAST HEIGH	T)			
SPECIES	11.0-20.9	21.0- 30.9		41.0-50.9	51.0 AND LARGER	ALL CLASSES			
	MILLION BOARD FEET								
SOFTWOODS:									
SITKA SPRUCE	1,065.74	512.54	147.31	51.24		1,776.82			
LODGEPOLE PINE									
WESTERN HEMLOCK	22.90	7.37				30.27			
MOUNTAIN HEMLOCK	9.05	5.56	-			14.62			
TOTAL	1,097.70	525.47	147.31	51.24		1,821.71			
HARDWOODS:									
RED ALDER									
BLACK COTTONWOOD	187.26	32.13	2.14			221.54			
OTHER HARDWOODS				pma ema					
TOTAL	187.26	32.13	2.14			221.54			
ALL SPECIES	1,284.96	557.60	149.45	51.24		2,043.25			

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 13- NET VOLUME OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

		DIAM	ETER CLAS	S (INCHES	AT BREA	ST HEIGHT)			
SPECIES			21.0- 30.9		41.0-	51.0 AND LARGER	ALL CLASSES		
	MILLION CUBIC FEET								
SOFTWOODS:									
SITKA SPRUCE	63.00	344.81	223.66	94.02	32.97	9.05	767.51		
LODGEPOLE PINE									
WESTERN HEMLOCK	17.37	84.57	49.97	17.24	0.97		170.11		
MOUNTAIN HEMLOCK	4.11	21.00	13.24	.86			39.21		
TOTAL	84.48	450.38	286.86	112.12	33.95	9.05	976.83		
HARDWOODS:									
RED ALDER									
BLACK COTTONWOOD	17.74	49.79	10.90	1.50			79.93		
OTHER HARDWOODS							-		
TOTAL	17.74	49.79	10.90	1.50			79.93		
ALL SPECIES	102.22	500.16	297.77	113.62	33.95	9.05	1,056.76		

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}/$  Totals may be off because of rounding.

TABLE 14--NET VOLUME OF OLD GROWTH, CUBIC FEET, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

		DIAM	ETER CLASS	(INCHES	AT BREA	ST HEIGHT)			
SPECIES			21.0-		41.0-		ALL		
	10.9	20.9	30.9	40.9	50.9	LARGER	CLASSES		
	MILLION CUBIC FEET								
SOFTWOODS:									
SITKA SPRUCE	15.38	141.52	139.56	71.30	25.53	9.05	402.34		
LODGEPOLE PINE	~-								
WESTERN HEMLOCK	13.02	79.75	48.59	17.24	.97	~ -	159.58		
MOUNTAIN HEMLOCK	2.26	19.23	12.18	0.86			34.53		
TOTAL	30.65	240.51	200.33	89.41	26.51	9.05	596.45		
HARDWOODS:									
RED ALDER						-			
BLACK COTTONWOOD	.51	6.03	4.37	1.12			12.03		
OTHER HARDWOODS									
TOTAL	.51	6.03	4.37	1.12			12.03		
ALL SPECIES	31.16	246.53	204.70	90.53	26.51	9.05	608.47		

TABLE 15--NET VOLUME OF YOUNG GROWTH, CUBIC FEET, ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}/$ 

		DIAME	TER CLASS	(INCHES	AT BREA	ST HEIGHT)		
SPECIES	5.0-		21.0-30.9		41.0- 50.9	51.0 AND LARGER		
	MILLION CUBIC FEET							
SOFTWOODS:								
SITKA SPRUCE	47.63	203.29	84.10	22.72	7.44		365.17	
LODGEPOLE PINE	e			~-				
WESTERN HEMLOCK	4.35	4.81	1.38				10.54	
MOUNTAIN HEMLOCK	1.85	1.77	1.06				4.68	
TOTAL	53.82	209.87	86.53	22.72	7.44		380.38	
HARDWOODS:								
RED ALDER					~~			
BLACK COTTONWOOD	17.23	43.76	6.54	.38			67.90	
OTHER HARDWOODS					40-40-			
TOTAL	17.23	43.76	6.54	.38			67.90	
ALL SPECIES	71.05	253.63	93.07	23.09	7.44		448.29	

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

TABLE 16--NET ANNUAL GROWTH OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY SPECIES AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

SPECIES	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
			THOUSAND CUBIC	FEET	
SOFTWOODS:					
ALASKA-CEDAR					
SITKA SPRUCE	447.74	199.13	2,984.35	698.05	4,329.27
LODGEPOLE PINE					
WESTERN REDCEDAR					
WESTERN HEMLOCK	-	44.03	122.86	282.96	449.85
MOUNTAIN HEMLOCK			69.88	133.18	203.06
TOTAL	447.74	243.16	3,177.10	1,114.19	4,982.19
HARDWOODS:					
RED ALDER					
BLACK COTTONWOOD	198.34	248.67	223.79	.14	670.94
OTHER HARDWOODS					
TOTAL	198.34	248.67	223.79	.14	670.94
ALL SPECIES	646.08	491.83	3,400.88	1,114.33	5,653.12

TABLE 17--NET ANNUAL GROWTH OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

SPECIES	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
		THO	OUSAND BOARD FE	`LT	
SOFTWOODS:					
ALASKA-CEDAR					
SITKA SPRUCE		570.24	25,409.47	7,552.39	33,532.10
LODGEPOLE PINE	~				
WESTERN REDCEDAR					
WESTERN HEMLOCK		213.18	136.67	2,030.89	2,380.74
MOUNTAIN HEMLOCK			93.50	569.41	662.9
TOTAL		783.41	25,639.64	10,152.69	36,575.7
HARDWOODS:					
RED ALDER			-		
BLACK COTTONWOOD	10.91	264.84	1,924.25	1.24	2,201.2
OTHER HARDWOODS					
TOTAL	10.91	264.84	1,924.25	1.24	2,201.2
ALL SPECIES	10.91	1,048.26	27,563.89	10,153.92	38,776.98

<sup>- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 18--NET ANNUAL GROWTH OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

FOREST TYPE	SEEDLING AND SAPLING	POLETIMBER	YOUNG GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
		тно	USAND CUBIC FEE	T	
HEMLOCK-SPRUCE				177.86	177.86
WESTERN REDCEDAR					
SITKA SPRUCE	100.82	270.04	2,718.14	1,229.93	4,318.93
MOUNTAIN HEMLOCK				<u>2</u> / -50.87	-50.87
WESTERN HEMLOCK				-242.59	-242.59
ALASKA-CEDAR					
LODGEPOLE PINE					Mar volv
RED ALDER					
BLACK COTTONWOOD	542.26	221.78	682.74		1,449.79
ALL TYPES	646.08	491.83	3,400.88	1,114.33	5,653.12

TABLE 19--NET ANNUAL GROWTH OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975 1/

FOREST TYPE	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
		T	HOUSAND BOARD	FEET	
HEMLOCK-SPRUCE				2,905.38	2,905.38
WESTERN REDCEDAR					-
SITKA SPRUCE		729.22	23,341.90	8,395.59	32,466.71
MOUNTAIN HEMLOCK				854.03	854.03
WESTERN HEMLOCK				2/ -2,001.08	-2,001.08
ALASKA-CEDAR	e- e-				
LODGEPOLE PINE					
RED ALDER					
BLACK COTTONWOOD	10.91	319.04	4,221.99		4,551.94
ALL TYPES	10.91	1,048.26	27,563.89	10,153.92	38,776.98

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

 $<sup>\</sup>underline{2}/$  Negative net annual growth indicates that annual mortality exceeded gross annual growth.

<sup>-- =</sup> no data were collected.

<sup>1/</sup> Totals may be off because of rounding.

 $<sup>\</sup>underline{2}/$  Negative net annual growth indicates that annual mortality exceeded gross annual growth.

TABLE 20--AVERAGE ANNUAL MORTALITY OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY SPECIES AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975 1/

SPECIES	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
		ТН	OUSAND CUBIC F	EET	
SOFTWOODS:					
ALASKA-CEDAR					
SITKA SPRUCE	<del></del>		295.13	304.76	599.89
LODGEPOLE PINE					
WESTERN REDCEDAR					
WESTERN HEMLOCK				262.74	262.74
MOUNTAIN HEMLOCK					
TOTAL			295.13	567.50	862.63
HARDWOODS:					
RED ALDER	-			~ -	
BLACK COTTONWOOD			577.48		577.48
OTHER HARDWOODS				÷ =	
TOTAL			577.48		577.48
ALL SPECIES			872.61	567.50	1,440.11

TABLE 21--AVERAGE ANNUAL MORTALITY OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY SPECIES AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

SPECIES	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES
		THO	USAND BOARD FEE	r	
SOFTWOODS:					
ALASKA-CEDAR					
SITKA SPRUCE			420.53	1,617.96	2,038.49
LODGEPOLE PINE					
WESTERN REDCEDAR					
WESTERN HEMLOCK				1,483.03	1,483.03
MOUNTAIN HEMLOCK					
TOTAL			420.53	3,100.99	3,521.52
HARDWOODS:					
RED ALDER					
BLACK COTTONWOOD			1,646.47		1,646.4
OTHER HARDWOODS					
TOTAL			1,646.47	den de	1,646.4
ALL SPECIES			2,067.00	3,100.99	5,167.99

<sup>-- =</sup> no data were collected.

<sup>1</sup>/ Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

TABLE 22--AVERAGE ANNUAL MORTALITY OF GROWING STOCK, CUBIC FEET, ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

FOREST TYPE	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES					
		THOUSAND CUBIC FEET								
HEMLOCK-SPRUCE				83.42	83.42					
WESTERN REDCEDAR										
SITKA SPRUCE			569.78	247.05	816.84					
TRUE FIR										
MOUNTAIN HEMLOCK										
WESTERN HEMLOCK				237.02	237.02					
ALASKA-CEDAR										
LODGEPOLE PINE	way days									
RED ALDER										
BLACK COTTONWOOD			302.82		302.82					
ALL TYPES			872.61	567.50	1,440.11					

TABLE 23- AVERAGE ANNUAL MORTALITY OF SAWTIMBER, INTERNATIONAL 1/4-INCH RULE, ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, YAKUTAT UNIT, SOUTHEAST COASTAL ALASKA, 1975  $\underline{1}$ /

FOREST TYPE	SEEDLING AND SAPLING	POLETIMBER	YOUNG-GROWTH SAWTIMBER	OLD-GROWTH SAWTIMBER	ALL CLASSES				
		THOUSAND BOARD FEET							
HEMLOCK-SPRUCE			ACC 40%	468.48	468.48				
WESTERN REDCEDAR	~								
SITKA SPRUCE			1,759.05	1,240.71	2,999.76				
TRUE FIR									
MOUNTAIN HEMLOCK	-								
WESTERN HEMLOCK			dans dans	1,391.81	1,391.81				
ALASKA CEDAR									
LODGEPOLE PINE									
RED ALDER									
BLACK COTTONWOOD			307.95		307.95				
ALL TYPES			2,067.00	3,100.99	5,167.99				

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ / Totals may be off because of rounding.

# **Acknowledgments**

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<u>Inventory supervision</u>: Tongass National Forest, Ketchikan Area—John Standerwick, Timber Management staff officer; Kerry Martin, field supervisor; Ron Dippold, R-10, technical assistance; Vernon J. LaBau, PNW, technical assistant.

Photo interpretation: Richard M. Funk, Vernon J. LaBau, George Hudak, and Kerry Martin.

Field measurements: Paul Alabeck, Richard M. Funk, James Henderson, George Hudak, and Steve Quadry.

Timber operability classification: Ronald Welch and Richard Baker.

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Statistical report preparation: Willem W. S. van Hees and Vernon J. LaBau.

# Metric Equivalents

1 inch = 2.54 centimeters (cm)

1 foot = 0.3048 meter (m)

1 mile = 1.609 kilometers (km)

1 acre = 0.4047 hectares (ha)

1 cubic foot = 0.0283 cubic meter ( $m^3$ )

1 cubic foot per acre = 0.06997 cubic meter per hectare  $(m^3/ha)$ 

20 cubic feet per acre = 1.3994 cubic meter per hectare  $(m^3/ha)$ 

1 square foot basal area per acre = 0.2296 square meter per hectare  $(m^2/ha)$ 

# **Literature Cited**

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Viereck, Leslie A.; Little, Elbert E., Jr. Alaska trees and shrubs. Agric. Handb. 410. Washington, DC: U.S. Department of Agriculture; 1972. 265 p.







van Hees, Willem W. S.; LaBau, Vernon J. Timber resource statistics for the Yakutat inventory unit, Alaska, 1975. Resour. Bull. PNW-105. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1984. 31 p.

Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 1975 timber inventory of the Yakutat unit, Alaska. Area of timberland is estimated at 236.3 thousand acres (95.6 thousand ha), net volume of growing stock at 1.1 billion cubic feet (29.9 million  $m^3$ ), and annual net growth and mortality at 5.7 and 1.4 million cubic feet (159.9 and 40.8 thousand  $m^3$ ), respectively.

Keywords: Forest surveys, timber inventory, statistics (forest), resources (forest), Alaska (southeast).

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.

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**Forest Service** 

Pacific Northwest Forest and Range Experiment Station

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# Production, Prices, Employment, and Trade in Northwest Forest Industries, First Quarter 1983

Florence K. Ruderman



### **ABSTRACT**

Ruderman, Florence K. Production, prices, employment, and trade in Northwest forest industries, first quarter 1983. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1983. 54 p.

Provides current information on lumber and plywood production and prices, employment in the forest industries, international trade in logs, lumber, and plywood, volume and average prices of stumpage sold by public agencies, and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), import/export (forest products), markets (external), economics (forestry business).

### PREFACE

This quarterly report presents current information on the timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Historical data for the years before 1969 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries."

Cooperation in supplying data has been received from the following sources: the U.S. Department of Agriculture, Forest Service, Forest Resources Economics Research Staff in Washington, D.C.; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

KEYWORDS: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), import/export (forest products), markets (external), economics (forestry business).

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TABLES INCLUDED IN THIS SERIES OF REPORTS, FREQUENCY OF PUBLICATION, AND MOST RECENT QUARTER PUBLISHED

Table title	Frequency1/	Most recent quarter
LUMBER AND PLYWOOD PRODUCTION AND PRICES	5	
Softwood lumber production in Western United States by region, and U.S. softwood plywood production, 1972-83	Q	Current, Table 1
Lumber production in Northwest States, 1971-81	А	Second quarter 1982
Softwood lumber production in the inland region, by species, 1971-81	A A	Second quarter 1982
Lumber production in western Washington and western Oregon, by species, 1971-81	А	Second quarter 1982
Softwood plywood production in the Unite States, by State, 1972-82	ed A	Current, Table 2
Softwood lumber and plywood production i British Columbia, 1971-81	n A	Second quarter 1982
Wholesale prices of selected lumber products, 1972-83	Q	Current, Table 3
Wholesale prices of selected softwood plywood products, 1972-83	Q	Current, Table 4
TIMBER HARVEST		
Washington and Oregon timber harvest, by ownership, 1971-81	A	Second quarter 1982
Montana and Idaho timber harvest by ownership, 1971-81	А	Third quarter 1982
British Columbia timber harvest, 1971-81	. А	Third quarter 1982
Alaska timber harvest on public lands, by ownership, 1971-81	А	Third quarter 1982

<sup>1/</sup>A: Published annually as data become available.
B: Published biannually as data become available.
P: Published periodically as data become available.
Q: Published quarterly as data become available.

# TABLES INCLUDED IN THIS SERIES OF REPORTS (continued)

Table title	Frequency1/	Most recent quarter
Softwood lumber exports from northern California ports, by species and destination, 1972-83	Q	Current, Table 24
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Softwood lumber exports from Alaska port by species and destination, 1972-83	Q Q	Current, Table 26
Softwood lumber exports to Canada from the Montana Customs District, 1972-83	Q	Current, Table 27
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Plywood exports from Washington and Oreg ports, by origin and destination, 1972-8		Current, Table 29
Plywood exports from California, 1972-83	Q	Current, Table 30
LOG PRICES IN WESTERN WASHINGTON AND NORTHWESTERN OREGON		
Douglas-fir Peeler log prices, western Washington and northwestern Oregon, 1971	-81 A	Second quarter 1982
Douglas-fir Sawmill log prices, western Washington and northwestern Oregon, 1971	-81 A	Second quarter 1982
Western hemlock log prices, western Washington and northwestern Oregon, 1971	-81 A	Second quarter 1982
Noble fir log prices, western Washington and northwestern Oregon, 1971-81	A	Second quarter 1982
White fir log prices, western Washington and northwestern Oregon, 1971-81	А	Second quarter 1982
Sitka spruce log prices, western Washington and northwestern Oregon, 1971-81	A	Second quarter 1982

# TABLES INCLUDED IN THIS SERIES OF REPORTS (continued)

Table title	Frequency1/	Most recent quarter
Western redcedar log prices, western Washington and northwestern Oregon, 1971-81	А	Second quarter 1982
Western white pine log prices, western Washington and northwestern Oregon, 1971-81	А	Second quarter 1982
VOLUME AND AVERAGE VALUE OF STUMPAGE SOL PUBLIC AGENCIES	.D BY	
Volume of timber sold on publicly owned managed lands, Washington and Oregon, 1978-83	or Q	Current, Table 31
Average stumpage prices of timber sold of publicly owned or managed lands, Washing and Oregon, 1978-83		Current, Table 32
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Average stumpage prices received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1980-81	А	Second quarter 1982
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# TABLES INCLUDED IN THIS SERIES OF REPORTS (continued)

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Average stumpage prices for sawtimber s on National Forests by selected species Pacific Southwest Region, 1972-83	
Uncut volume under contract on National Forest lands in California, Montana, Id Oregon, and Washington, 1971-81	aho, A Second quarter 1982
Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1972-82	A Current, Table 44
Allowable annual cut and uncut volume under contract on Oregon State lands, 1971-81	A Second quarter 1982
Allowable annual cut and uncut volume under contract on Washington State lands, 1971-82	A Second quarter 1982
Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1972-83	Q Current, Table 45

YEAR	TOTAL SOFTWOOD LUMBER	WESTERN WASHINGTON AND WESTERN OREGON <sup>1</sup>	CALIFORNIA REDWOOD REGION	INLAND REGION <sup>2</sup>	U.S. SOFTWOOD PLYWOOD PRODUCTION3
		Million board	feet		Million sq ft, 3/8-inch basis
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 January February	21,830 22,267 19,425 17,773 20,611 21,558 20,780 20,045 16,045 15,004 14,050R	8,983 9,074 7,777 7,134 8,322 8,796 8,845 8,427 6,815 6,339 5,808R	2,452 2,629 2,675 2,194 2,500 2,453 1,902 1,838 1,617 1,455 1,421R	10,395 10,564 8,973 8,445 9,789 10,309 10,033 9,780 7,613 7,210 6,821R	18,324 18,305 15,878 16,050 18,440 19,677 19,936 20,022 16,573 17,073 17,150 1,598 1,557 1,848
Total, 1st quarter	4,352	1,950	454	1,948	5,003
April May June					
Total, 2d quarter					
July August September					
Total, 3d quarter					
October November December					
Total, 4th quarter					
1983 total		1-4	102 chamic is	ovent	
From 4th quarter 1982 1st quarter 1982	25.9 42.6R	1st quarter 19 34.4 43.4R	51.8 35.5R	14.1 43.7R	7.6 29.5

Source--Western Wood Products Association, Portland, Oregon (western Washington and western Oregon, and inland region), National Forest Products Association, Washington, D.C. (California redwood region), and American Plywood Association, Tacoma, Washington (U.S. softwood plywood data).

<sup>&</sup>lt;sup>1</sup>Includes small amounts of hardwood.

<sup>&</sup>lt;sup>2</sup>Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

<sup>&</sup>lt;sup>3</sup>Data for 1974 and 1975 are based in part on sampling.

R = revised.

Table 2-Softwood plywood production in the United State, by State, 1972-82 (In million square feet, 3/8-inch basis)

YEAR	TOTAL	OREGON	WASHINGTON	CALIFORNIA	MONTANA, IDAHO, AND COLORADO	SOUTHERN STATES <sup>1</sup>	NORTHERN STATES2
1972	18,323.7	8,634.9	2,251.1	1,050.7	1,068.2	5,318.8	0
1973	18,304.6	8,518.6	2,232.5	963.8	1,031.0	5.558.7	0
1974	15,878.3	7,055.6	1,853.3	843.6	995.7	5,130.1	0
1975	16,050.3	6,927.4	1,723.7	649.6	1,074.1	5,675.5	0
1976	18,440.0	7.917.0	1.894.0	603.0	1.212.0	6.814.0	0
1977	19,376.2	8,109,2	2.013.0	552.0	1.255.0	7.447.0	0
1978	19.964.4	8,226.4	2.084.2	510.7	1,245.0	7.898.1	0
1979	19.653.0	7.929.0	1.727.0	463.0	1.205.0	8.329.0	0
1980	16.468.0	6.179.0	1,333.0	319.0	1.088.0	7.393.0	156.0
1981	17.022.9	5.561.6	1,381.7	351.1	1,129.7	8.306.8	292.0
1982	16,402.6	5,113.9	1,165.8	195.5	874.4	8,455.7	597.3

Source--American Plywood Association.

Southern States include Alabama, Arkansas, Florida, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Texas, and Virginia.

<sup>&</sup>lt;sup>2</sup>Northern States include Maine, Michigan, Minnesota, New Hampshire, New York, and Wisconsin.

Table 3--Wholesale prices of selected lumber products, 1972-83

(In dollars per thousand board feet)

1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 January February March  Average,	136.00R 177.00R 144.00R 148.00R 148.00R 213.00 241.00 260.00 209.00R 190.00R 167.00 230.00 228.00 228.00	140.00 189.00 162.00 144.00 188.00R 229.00 263.00 309.00 296.00R 296.00R 253.00R 263.00 272.00 250.00	177.00 233.00 247.00 205.00 318.00 380.00 459.00 479.00R 478.00R 483.00R 357.00R 459.00 521.00 564.00	139.00 173.00 136.00 144.00 169.00 202.00 238.00 201.00R 201.00 181.00 160.00 212.00 208.00 213.00	126.00R 152.00R 120.00R 117.00R 151.00R 173.00 209.00 225.00 168.00R 158.00R 140.00 140.00R 174.00R 181.00R
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 January February March  Average, 1st quarter  April May June  Average, 2d quarter  July August September  Average, 3d quarter	177.00R 144.00R 148.00R 178.00R 213.00 241.00 260.00 209.00R 190.00R 167.00 230.00 228.00 226.00	189.00 162.00 144.00 188.00R 229.00 263.00 309.00 296.00R 296.00R 253.00R	233.00 247.00 205.00 318.00 380.00 459.00 479.00R 478.00R 483.00R 357.00R 459.00 521.00 564.00	173.00 136.00 144.00 169.00 202.00 238.00 201.00R 201.00 181.00 160.00 212.00 208.00 213.00	152.00R 120.00R 117.00R 117.00R 151.00R 173.00 209.00 225.00 168.00R 158.00R 140.00 140.00R 174.00R 181.00R
974 975 976 977 978 977 978 979 980 981 982 983 January February March  Average, 1st quarter  April May June  Average, 2d quarter  July August September  Average, 3d quarter	144.00R 148.00R 178.00R 213.00 241.00 260.00 299.00R 190.00R 167.00 230.00 228.00 226.00	162.00 144.00 188.00R 229.00 263.00 309.00 296.00R 253.00R 263.00 272.00 250.00	247.00 205.00 318.00 380.00 459.00 479.00R 478.00R 483.00R 357.00R 459.00 521.00 564.00	136.00 144.00 169.00 202.00 238.00 201.00R 201.00 181.00 160.00	120.00R 117.00R 151.00R 173.00 209.00 225.00 168.00R 158.00R 140.00 140.00R 174.00R 181.00R
976 977 978 979 980 981 982 983 January February March Average, Ist quarter  April May June  Average, 2d quarter  July August September  Average, 3d quarter	178.00R 213.00 241.00 260.00 260.00 209.00R 190.00R 167.00 230.00 228.00 226.00	188.00R 229.00 263.00 309.00 296.00R 296.00R 253.00R 263.00 272.00 250.00	318.00 380.00 459.00 479.00R 478.00R 483.00R 357.00R 459.00 521.00 564.00	169.00 202.00 238.00 201.00R 201.00 181.00 160.00 212.00 208.00 213.00	151.00R 173.00 209.00 225.00 168.00R 158.00R 140.00 140.00R 174.00R 181.00R
977 978 978 989 989 980 981 982 983 January February March Average, 1st quarter  April Aay June  Average, 2d quarter  July August September  Average, 3d quarter	213.00 241.00 260.00 209.00R 190.00R 167.00 230.00 228.00 226.00	229.00 263.00 309.00 296.00R 296.00R 253.00R 263.00 272.00 250.00	380.00 459.00 479.00R 478.00R 483.00R 357.00R 459.00 521.00 564.00	202.00 238.00 201.00R 201.00 181.00 160.00 212.00 208.00 213.00	173.00 209.00 225.00 168.00R 158.00R 140.00 140.00R 174.00R 181.00R
Average, 2d quarter  July August September Average, 3d quarter	241.00 260.00 209.00R 190.00R 167.00 230.00 228.00 226.00	263.00 309.00 296.00R 296.00R 253.00R 263.00 272.00 250.00	459.00 479.00R 478.00R 483.00R 357.00R 459.00 521.00 564.00	238.00 201.00R 201.00 181.00 160.00 212.00 208.00 213.00	209.00 225.00 168.00R 158.00R 140.00 140.00R 174.00R 181.00R
979 980 981 982 983 January February March Average, 1st quarter April Aay June Average, 2d quarter July August September Average, 3d quarter	260.00 209.00R 190.00R 167.00 230.00 228.00 226.00	309.00 296.00R 296.00R 253.00R 263.00 272.00 250.00	479.00R 478.00R 483.00R 357.00R 459.00 521.00 564.00	201.00R 201.00 181.00 160.00 212.00 208.00 213.00	225.00 168.00R 158.00R 140.00 140.00R 174.00R 181.00R
080 081 082 082 083 January Tebruary March  Average, 1st quarter  April May June  Average, 2d quarter  July August September  Average, 3d quarter	209.00R 190.00R 167.00 230.00 228.00 226.00	296.00R 296.00R 253.00R 263.00 272.00 250.00	478.00R 483.00R 357.00R 459.00 521.00 564.00	201.00 181.00 160.00 212.00 208.00 213.00	168.00R 158.00R 140.00 140.00R 174.00R 181.00R
981 982 983 983 January February Jarch Average, 1st quarter April Jay June Average, 2d quarter July August Geptember Average, 3d quarter	190.00R 167.00 230.00 228.00 226.00	296.00R 253.00R 263.00 272.00 250.00	483.00R 357.00R 459.00 521.00 564.00	181.00 160.00 212.00 208.00 213.00	158.00R 140.00 140.00R 174.00R 181.00R
January January January Jarch Average, Ist quarter April Jay June Average, 2d quarter July August September Average, 3d quarter	167.00 230.00 228.00 226.00	253.00R 263.00 272.00 250.00	357.00R 459.00 521.00 564.00	160.00 212.00 208.00 213.00	140.00 140.00R 174.00R 181.00R
January February March Average, Ist quarter April May June Average, 2d quarter July August Geptember Average, 3d quarter	228.00 226.00	272.00 250.00	521.00 564.00	208.00 213.00	174.00R 181.00R
February March  Average, 1st quarter  April Aay June  Average, 2d quarter  July August September  Average, 3d quarter	228.00 226.00	272.00 250.00	521.00 564.00	208.00 213.00	174.00R 181.00R
March Average, 1st quarter  April May June  Average, 2d quarter  July August September  Average, 3d quarter	226.00	250.00	564.00	213.00	181.00R
Average, Ist quarter  April May June  Average, 2d quarter  July August September  Average, 3d quarter					
1st quarter April May June Average, 2d quarter  July August September Average, 3d quarter	228.00	262.00	515.00	211.00	180.00
Average, 2d quarter  July August September Average, 3d quarter					
Average, 2d quarter  July August September  Average, 3d quarter					
2d quarter  July August September  Average, 3d quarter					
August September Average, 3d quarter					
September  Average, 3d quarter					
3d quarter					
October					
November December					
Average, 4th quarter					
1983 average					
			quarter 1983 change, in	n percent	
com					
4th quarter 1982 1st quarter 1982	34.1	20.2R	36.2R 43.9R	22.0 33.5	16.1R 34.3

Source--Random Lengths Publications, Inc.

Table 4--Wholesale prices of selected softwood plywood products, 1972-83

(In dollars per thousand square feet)

<b>Year</b>	SHEATHING, WESTERN EXTERIOR, 3/8-INCH, CD, NET F.O.B. MILL	SHEATHING, SOUTHERN (WEST)1/ EXTERIOR, 3/8-INCH, CD, NET F.O.B. MILL	SANDED, WESTERN INTERIOR, 1/4-INCH, AD, NET F.O.B. MILL
 1972	92.00R	93.00	101.00
1973	107.00R	100.00	127.00
1974	92.00R	94.00	140.00
1975	99.00R	95.00	146.00
1976	127.00R	125.00	160.00
1977	157.00R	159.00	183.00
1978	169.00R	174.00	214.00
1979	164.00R	156.00	221.00
L 980	155.00R	155.00	211.00R
1981	148.00R	140.00	203.00R
1982	135.00	139.00	185.00
1983			
January	158.00	162.00	174.00
February	157.00	162.00	178.00
March	152.00	164.00	179.00
Average, 1st quarter	156.00	163.00	177.00
April			
May			
June			
Average, 2d quarter			
July August September			
Average, 3d quarter			
October			
November			
December			
Average, 4th quarter			
1983 average			
	1st (	quarter 1983 change, in	n percent
rom			
4th quarter 1982	9.1	11.6	• 6
1st quarter 1982	17.3	22.6	-7.3R

Source--Random Lengths Publications, Inc.

<sup>1/</sup> Texas, Louisiana, Arkansas.

Table 5--Employment in forest products industries in Washington, Dregon, and Alaska, 1972-83

(In thousands of persons)

	WASH	IINGTON AND DR	EGDN		WASHINGTD	N		OREGDN			ALASKA	
YEAR	TOTAL	LUMBER AND WDDD PRDDUCTS	PAPER AND ALLIED PRODUCTS	TOTAL	LUMBER AND WDDD PRDDUCTS	PAPER AND ALLIED PRODUCTS	TDTAL	LUMBER AND WDDD PRDDUCTS	PAPER AND ALLIED PRODUCTS	TDTAL	LUMBER AND WDDD PRDDUCTS	PULP AND ALLIED PRDDUCTS
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 January	15D.2 155.3 152.1 137.2 15D.9 159.2 159.3 159.0 144.1 135.6 12D.4R	122.5 127.9 124.5 110.8 123.4 131.4 136.5 133.4 116.1 108.1 94.5R	27.7 27.4 27.6 26.4 27.5 27.8 22.8 25.6 28.0 27.5 25.9	65.5 66.8 67.3 60.4 68.4 71.6 69.1 68.4 64.1 61.1 55.2R	47.3 49.1 49.7 43.8 51.0 53.9 55.1 52.6 46.5 44.4 39.DR	18.2 17.7 17.6 16.6 17.4 17.7 14.0 15.8 17.6 17.2 16.2R	84.7 88.5 84.8 76.8 82.5 87.6 9D.2 9D.6 8D.D 74.D 65.2R	75.2 78.8 74.8 67.D 72.4 77.5 81.4 8D.8 69.6 63.7 55.5R	9.5 9.7 10.0 9.8 10.1 10.1 8.8 9.8 10.4 10.3 9.7R	3.4 3.6 2.9 3.0 3.4 2.8 2.6	2.8 2.3 2.5 2.0 2.3 2.2 1.8 2.D 2.3 1.9	1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2
February March	122.6 124.5	97.7 99.8	24.9 24.7	55.3 56.2	39.7 4D.7	15.6 15.5	67.3 68.3	58.D 59.1	9.3 9.2	1.9 2.D	1.1	. 8 . 8
Average, 1st quarter	122.3	97.4	24.9	55.3	39.7	15.6	67.0	57.7	9.3	1.9	1.1	.8
April May June												
Average, 2d quarter												
July August September												
Average, 3d quarter												
Dctober November December												
Average, 4th quarter												
1983 average												
From					- 1st quarte	r 1983 chang	e in empl	oyment				
4th quarter 1982 1st quarter 1982	1.2R 6.2R	1.8R 7.5R	6R -1.3R	.7R 1.3R	1.1R 2.DR	4R 7R	.6R 4.9R	.8R 5.5R	2R 6R	3. 5	3	D 1

Source--State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excludes furniture). The paper and allied products industry includes pulp, paper, paperboard, and building board products. Since April 1974, employment data have been based on place of residence.

 $^1\mathrm{Before}$  1973, data for the pulp and allied products industry are included in the lumber and wood products industry.

<sup>2</sup>Withheld to avoid disclosure.

Table 6--Employment in forest products industries in California, 1971-82 (In thousands of persons)

YEAR	TOTAL	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS
1971	86.0	50.5	35.5
1972	90.3	52.4	37.9
1973	90.2	54.1	36.1
1974	88.2	50.9	37.3
1975	87.3	52.8	34.5
1976	96.6	59.9	36.7
1977	104.2	66.6	37.6
1978	107.1	69.9	37.2
1979	107.1	68.7	39.1
		62.6	38.7
1980	101.3		
1981	96.6	57.9	38.7
1982			
January	82.3	44.5	37.8
February	81.9	44.3	37.6
March	82.2	44.4	37.7
Average,			
1st quarter	82.1	44.4	37.7
April	83.2	45.3	37.9
May	84.3	46.6	37.7
June	85.4	47.7	37.7
Average,			
2d quarter	84.3	46.5	37.8
July	86.4	48.6	37.8
August	86.5	49.0	37.5
September	86.1	48.5	37.6
Average,			
3d quarter	86.3	48.7	37.6
October	84.1	47.1	37.0
November	82.0	45.2	36.8
December	80.3	46.6	36.8
A			
Average, 4th quarter	82.1	45.3	36.8
·			
1982 average	83.7	46.2	37.5
	4th c	quarter 1982 change in	n employment
rom			
3d quarter 1982	-4.2	-3.4	8
4th quarter 1981	-7.9	-6.4	·-1.5
	Yea	r 1982 change in empl	oyment
From year 1981	-12.9	-11.7	-1.2

Source--State of California, Department of Employment. Since April 1974, data have been based on place of residence.

Table 7--Employment in forest products industries in Montana and Idaho, 1972-83 (In thousands of persons)

	MON	ITANA		IDAHO	
YEAR	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS	TOTAL	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS
1972	9.2	1/	15.2	14.1	1.1
1973	9.8	1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/	16.3	15.1	1.2
1974	9.5	1/	15.7	14.6	1.1
1975	8.1	1/	16.8	15.7	1.1
1976	9.1	$\frac{1}{2}$	18.6	17.4	1.2
.977 978	9.3 10.7	$\frac{1}{1}$	19.0 20.1	17.8	1.2
979	10.7 11.1R	$\frac{1}{1}$	19.9	18.8	1.3
980	8.7	1/	17.5	18.5 16.1	1.4 1.4
981	8.8R	1/	16.6	15.1	1.5
982	7.7	1/	13.6	12.1	1.5
.983	7 • 7	1/	13.0	12.1	1.5
January	7.0	1/	13.6	12.1	1.5
February	7.4	<del>1</del> /	12.8	11.3	1.5
March	7.1	$\frac{\frac{1}{1}}{\frac{1}{1}}$	12.7	11.2	1.5
Average,					
1st quarter	7.2	1/	13.0	11.5	1.5
April May June					
Average, 2d quarter					
July August September					
Average, 3d quarter					
October November December					
Average, 4th quarter					
1983 average					
rom		1st quarter	1983 change	in employment	
4th quarter 1982	1		4	4	0
1st quarter 1982	8		•5R	.5R	OR

Source--State employment agencies. Since April 1974, employment data have been based on place of residence.

<sup>&</sup>lt;sup>1</sup>Withheld to avoid disclosing figures for individual companies.

Table 8--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In thousand board feet, Scribner scale)

		FROM 80	TH STATES		FROM WASH	INGTON CUSTOM	S OISTRICT	FF	ROM OREGON CL	ISTOMS 01ST	RICT
YEAR ANO QUARTER	TOTAL	00UGLAS- FIR	PORT - ORF ORO - CEOAR	OTHER SOFTWOODS	TOTAL	00UGLAS- F1R	OTHER SOFTWOODS	TOTAL	00UGLAS- FIR	PORT- ORFORD- CEOAR	OTHER SOFTWOOD
					TO ALL	COUNTRIES					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	3,233,652 2,631,817	767,496 864,474 715,514 765,840 945,649 966,763 1,139,267 1,309,179 1,262,210 1,017,154	36,907 20,966 17,481 24,361 26,576 16,721 24,493 22,693 12,300 15,520	1,832,745 1,753,770 1,456,372 1,435,286 1,764,849 1,572,131 1,683,634 1,901,780 1,357,307 954,485	1,907,235 1,833,293 1,423,570 1,427,387 1,792,944 1,674,860 1,915,979 2,249,963 1,699,138 1,315,882	566,487 555,324 404,884 437,290 527,889 556,419 619,500 732,392 645,073 579,034	1,340,748 1,277,969 1,018,686 990,097 1,265,055 1,118,441 1,296,479 1,517,571 1,054,065 736,848	729,913 805,917 765,797 798,100 944,130 880,755 931,415 983,689 932,679 671,277	201,009 309,150 310,630 328,550 417,760 410,344 519,767 576,787 617,137 438,120	36,907 20,966 17,481 24,361 26,576 16,721 24,493 22,693 12,300 15,520	491,997 475,801 437,686 445,189 499,794 453,690 387,155 384,209 303,242 217,637
1st qtr. 2d qtr. 3d qtr. 4th qtr.	637,603 610,403 704,696 614,942	339,716 365,318 392,460 330,341	3,725 2,731 1,704 3,139	294,162 242,354 310,532 281,462	405,752 349,134 446,910 394,997	179,234 171,695 201,785 177,130	226,518 177,439 245,125 217,867	231,851 261,269 257,786 219,945	160,482 193,623 190,675 153,211	3,725 2,731 1,704 3,139	67,644 64,915 65,407 63,595
1982 total	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	577,494	305,497	1,963	270,034	401,147	181,023	220,124	176,347	124,474	1,963	49,910
1983 total		, , , , , , , , , , , , , , , , , , , ,									
					ТО	JAPAN					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	2,391,163 2,455,485 1,975,575 2,014,244 2,547,037 2,348,325 2,521,885 2,959,726 2,344,322 1,603,941	692,308 822,160 638,225 732,264 901,911 933,813 1,103,562 1,279,177 1,175,407 846,474	36,907 20,966 17,342 24,361 24,573 16,721 22,814 20,611 12,300 15,495	1,661,948 1,612,359 1,320,008 1,257,619 1,620,553 1,397,791 1,395,509 1,659,938 1,156,615 741,972	1,678,846 1,663,203 1,237,653 1,255,817 1,623,064 1,496,627 1,630,247 1,998,315 1,488,494 1,003,391	496,201 520,373 341,890 410,721 491,451 526,255 589,654 705,921 602,605 452,724	1,182,645 1,142,830 895,763 845,096 1,131,613 970,372 1,040,593 1,292,394 885,889 550,667	712,317 792,282 737,922 758,427 923,973 851,698 891,638 961,411 855,828 600,550	196,107 301,787 296,335 321,543 410,460 407,558 513,908 573,256 572,802 393,750	36,907 20,966 17,342 24,361 24,573 16,721 22,814 20,611 12,300 15,495	479,303 469,529 424,245 412,523 488,940 427,419 354,916 367,544 270,726 191,305
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	490,917 344,717 474,753 427,800	279,704 196,034 281,511 233,385	3,725 2,731 1,677 3,139	207,488 145,952 191,565 191,276	287,202 189,154 271,741 244,806	133,825 85,725 131,830 106,269	153,377 103,429 139,911 138,537	203,715 155,563 203,012 182,994	145,879 110,309 149,681 127,116	3,725 2,731 1,677 3,139	54,111 42,523 51,654 52,739
1982 total	1,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	409,186	214,008	1,963	193,215	252,587	102,641	149,946	156,599	111,367	1,963	43,269

1983 total

Table 8-Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In thousand board feet, Scribner scale)

		FROM E	BOTH STATES		FROM WA	SHINGTON CUSTON	MS DISTRICT		FROM OREGON (	CUSTOMS DI	STRICT
YEAR ANO QUARTER	TOTAL	OOUGLAS- FIR	PDRT - ORFORO- CEDAR	OTHER SOFTWOODS	TOTAL	OOUGLAS- FIR	OTHER SOFTWOOOS	TOTAL	00UGLAS- FIR	PORT- ORFORO- CEDAR	OTHER SOFTWOOD
					TO CA	NADA					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	170,582 72,164 73,664 58,506 48,289 15,698 12,638 24,124 985 1,332	43,294 22,265 39,060 16,793 14,803 9,531 9,361 7,737 395 392		127,288 49,899 34,604 41,713 33,486 6,167 3,277 16,387 590 940	159,359 72,164 73,664 58,506 48,289 15,698 12,638 24,124 985 1,332	43,294 22,265 39,060 16,793 14,803 9,531 9,361 7,737 395 392	116,065 49,899 34,604 41,713 33,486 6,167 3,277 16,387 590 940	11,223	       		11,223
1st qtr. 2d qtr. 3d qtr. 4th qtr.	2,528 1,973 129 127	463 48 40 84		2,065 1,925 89 43	2,528 1,973 129 127	463 48 40 84	2,065 1,925 89 43	  	 		
1982 total	4,757	635		4,122	4,757	635	4,122				
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	120			120	120		120				
1983 total											
					TO SDUTH	H KUREA					
1972 1973 1974 1975 1976 1977 1978 1979 1980	47,554 101,929 137,665 79,022 130,069 187,967 307,865 245,314 191,387 147,833	4,419 15,175 36,308 13,946 26,454 21,201 24,844 20,342 11,796 10,919		43,135 86,754 101,357 65,076 103,615 166,766 283,021 224,972 179,591 136,914	46,304 96,680 111,580 42,100 117,007 162,252 271,887 227,072 163,988 132,675	4,419 12,063 23,378 9,100 21,068 20,418 20,426 18,653 9,549 9,333	41,885 84,617 88,202 33,000 95,939 141,834 251,461 208,419 154,439 123,342	1,250 5,249 26,085 36,922 13,062 25,715 35,978 18,242 27,399 15,158	3,112 12,930 4,846 5,386 783 4,418 1,689 2,247 1,586		1,250 2,137 13,155 32,076 7,676 24,932 31,560 16,553 25,152 13,572
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	58,84D 51,309 68,273 76,314	4,644 5,905 7,784 9,476	  	54,196 45,404 60,489 66,838	50,669 38,136 66,427 64,894	4,544 2,737 7,784 8,776	46,125 35,399 58,643 56,118	8,171 13,173 1,846 11,420	100 3,168  700	  	8,071 10,005 1,846 10,720
1982 total	254,736	27,809		226,927	220,126	23,841	196,285	34,610	3,968		30,642
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	60,064	2,551		57,513	53,230	2,358	50,872	6,834	193		6,641
1983 total											
					TO MAINLA	ND CHINA					
1980 1981 1982	87,785 219,237	69,901 149,592		17,884 69,645	43,271 170,779	31,884 111,D58	11,387 59,721	44,514 48,458	38,017 38,534		6,497 9,924
1st qtr. 2d qtr. 3d qtr. 4th qtr.	79,715 203,944 143,635 105,808	53,813 157,466 95,143 83,625	  	25,902 46,478 48,492 22,183	60,090 117,366 98,120 83,186	39,523 82,557 61,115 61,003	20,567 34,809 37,005 22,183	19,625 86,578 45,515 22,622	14,290 74,909 34,028 22,622		5,335 11,669 11,487
1982 total	533,102	390,047		143,055	358,762	244,198	114,564	174,340	145,849		28,491
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	104,596	86,035		18,561	94,305	75,744	18,561	10,291	10,291		
1983 total											

Source--U.S. Department of Commerce. Oregon Customs District includes all Oregon ports and Longview and Mancouver, Mashington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Mancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 9--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In thousand dollars)

		FROM B	OTH STATES		FROM WASH	HINGTON CUSTOM	S OISTRICT	F	ROM OREGON C	USTOMS OISTE	RICT
YEAR ANO QUARTER	TOTAL	OOUGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOOS	TOTAL	OOUGLAS- FIR	OTHER SOFTWOOOS	TOTAL	00UGLAS- FIR	PORT - ORF ORD - CE OAR	OTHER SOFTWOODS
					TO ALL	COUNTRIES					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	358,713 694,602 612,521 603,854 775,113 826,698 992,207 1,408,036 1,308,858 882,942	101,467 209,417 194,137 202,377 266,523 311,269 413,645 624,090 634,898 476,653	12,089 15,451 17,556 16,758 20,086 17,049 24,923 24,419 16,596 24,911	245,157 469,734 400,828 384,759 488,504 498,380 553,639 831,527 657,364 381,378	252,839 449,902 364,962 376,706 490,246 526,412 637,818 991,513 835,524 565,564	73,175 120,796 103,586 111,919 141,989 171,541 212,305 331,874 317,744 266,847	179,664 329,106 271,376 264,787 348,257 354,871 425,513 659,639 517,780 298,717	105,874 244,700 237,559 227,148 284,867 300,286 354,389 488,523 473,334 317,378	28,292 88,621 90,551 90,418 124,534 139,728 201,340 292,216 317,154 209,806	12,089 15,451 17,556 16,758 20,087 17,049 24,923 24,419 16,596 24,911	143,509 128,126
		160,428 159,501 157,621 122,704	6,754 5,520 2,713 3,732	108,497 88,192 108,181 91,066	165,812 140,278 164,645 134,354	81,897 74,411 79,637 63,579	83,915 65,867 85,008 70,775	109,867 112,935 103,870 83,148	78,531 85,090 77,984 59,125	6,754 5,520 2,713 3,732	24,582 22,325 23,713 20,291
1982 total	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	195,146	105,276	2,847	87,023	130,221	59,513	70,708	64,925	45,763	2,847	16,315
1983 total								, .			
					ТО	JAPAN					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	335,703 664,363 569,494 560,754 734,412 776,630 908,627 1,387,602 1,190,875 740,943	94,210 201,944 177,961 195,469 256,673 303,248 404,134 612,160 593,484 404,395	12,089 15,451 17,500 16,758 17,918 17,049 22,763 22,271 16,596 24,889	229,404 446,968 374,033 348,527 459,821 456,333 481,730 753,171 580,795 311,659	231,593 422,715 338,296 341,885 457,248 484,006 566,494 910,338 750,369 451,171	66,800 115,022 90,400 107,149 134,894 164,626 204,832 323,034 297,359 213,444	164,793 307,693 247,896 234,736 322,354 319,380 361,662 587,304 453,010 237,727	104,110 241,648 231,198 218,869 277,164 292,624 342,133 477,264 440,506 289,772	27,410 86,922 87,561 88,320 121,779 138,622 199,302 289,126 296,125 190,951	12,089 15,451 17,500 16,758 17,918 17,049 22,763 22,271 16,596 24,889	64,611 139,275 126,137 113,791 137,467 136,953 120,068 165,867 127,785 73,932
	223,023 148,450 187,946 156,924	134,435 87,432 114,656 88,162	6,754 5,520 2,673 3,732	81,834 55,498 70,617 65,030	123,575 77,612 104,744 86,116	62,238 37,512 52,556 38,532	61,337 40,100 52,188 47,584	99,448 70,838 83,202 70,808	72,197 49,920 62,100 49,630	6,754 5,520 2,673 3,732	20,497 15,398 18,429 17,446
1982 total	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233,847	18,679	71,770
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	146,567	77,446	2,847	66,274	87,522	35,794	51,728	59,045	41,652	2,847	14,546

1983 total

Table 9--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In thousand dollars)

		FROM 80	OTH STATES		FROM	WASHINGTON CUS	TOMS OISTRICT		FROM OREGON	CUSTOMS OI	STRICT
YEAR ANO QUARTER	TOTAL	OOUGLAS- FIR	PORT - ORF ORO- CEOAR	OTHER SOFTWOOOS	TOTAL	00UGLAS- FIR	OTHER SOFTWOOOS	TOTAL	OOUGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOD:
					TO CA	NAOA					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	14,041 9,593 13,821 8,313 7,908 3,545 2,933 7,223 323 463	2,984 2,900 8,239 2,937 2,733 2,154 2,129 2,435 133 173		11,057 6,693 5,582 5,376 5,175 1,391 804 4,788 190 290	13,349 9,593 13,821 8,313 7,908 3,545 2,933 7,223 323 463	2,984 2,900 8,239 2,937 2,733 2,154 2,129 2,435 133 173	10,365 6,693 5,582 5,376 5,175 1,391 804 4,788 190 290	692	     		692
1st qtr. 2d qtr. 3d qtr. 4th qtr.	487 472 47 62	58 23 19 37		429 449 28 25	487 472 47 62	58 23 19 37	429 449 28 25				
1982 total 1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	1,068	137		931 42	1,068	137	931 42				
1983 total											
					TO SOUTH	KOREA			-		
1972 1973 1974 1975 1976 1977 1978 1979 1980	5,094 18,506 28,225 14,757 27,546 44,949 76,839 80,173 71,675 47,481	469 3,468 7,303 2,688 5,664 4,811 6,392 6,982 4,116 4,027	      	4,625 15,038 20,922 12,069 21,882 40,138 70,447 73,191 67,559 43,454	4,939 17,290 22,552 7,912 24,400 38,738 67,974 73,751 62,108 43,048	469 2,725 4,714 1,648 4,350 4,672 5,333 6,378 3,279 3,513	4,470 14,565 17,838 6,264 20,050 34,066 62,641 67,373 58,829 39,535	155 1,216 5,673 6,845 3,146 6,211 8,865 6,422 4,433	743 2,589 1,040 1,315 139 1,059 604 837 514		155 473 3,084 5,805 1,831 6,072 7,806 5,818 8,730 3,919
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	18,579 16,135 20,701 21,000	1,850 1,911 2,599 2,809		16,729 14,224 18,102 18,191	16,070 12,406 20,166 18,015	1,786 1,197 2,599 2,554	14,284 11,209 17,567 15,461	2,509 3,729 535 2,985	64 714  255		2,445 3,015 535 2,730
1982 total	76,415	9,169		67,246	66,657	8,136	58,521	9,758	1,033		8,725
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	16,208	843		15,365	14,391	795	13,596	1,817	48		1,769
1983 total											
					TO MAINLA	NO CHINA					
1980 1981 1982	41,433 88,000	34,285 63,977		7,148 24,023	21,326 67,639	16,692 47,363	4,634 20,276	20,107 20,361	17,593 16,614		2,514 3,747
1st qtr. 2d qtr. 3d qtr. 4th qtr.	31,515 84,797 52,757 38,009	23,577 67,655 36,953 30,514	  	7,938 17,142 15,804 7,495	23,939 48,870 35,767 29,643	17,554 35,416 24,076 22,148	6,385 13,454 11,691 7,495	7,576 35,927 16,990 8,366	6,023 32,239 12,877 8,366		1,553 3,688 4,113
1982 total	207,078	158,699		48,379	138,219	99,194	39,025	68,859	59,505		9,354
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	31,285	26,108		5,177	28,007	22,830	5,177	3,278	3,278	er es	es es
1983 total											

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 10--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In dollars per thousand board feet, Scribner scale)

		FROM	BOTH STATES		FROM WAS	HINGTON CUSTOM	S OISTRICT	FROM OREGON CUSTOMS DISTRICT			
YEAR ANO QUARTER	ALL SPECIES	OOUGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOOS	ALL SPECIES	OOUGLAS- FIR	OTHER SOFTWOOOS	ALL SPECIES	OOUGLAS- FIR	PORT ~ ORFORO – CEOAR	OTHER SOFTWOOO
					TO ALL CO	JNTRIES					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	136.02 263.19 279.77 271.34 283.19 323.48 348.46 435.43 497.32 444.32 432.37 414.83 381.04 353.70	132.21 242.25 271.33 264.20 281.84 321.97 363.08 476.70 503.00 468.61 472.24 436.61 401.62 371.45	327.56 736.97 1,004.29 687.90 755.83 1,019.62 1,017.56 1,076.06 1,349.27 1,605.09 1,813.25 2,021.05 1,591.66 1,188.76	133.76 267.84 275.22 268.07 276.80 317.01 328.84 437.24 484.32 399.56 368.83 363.90 348.37 323.55	132.57 245.41 263.40 263.91 273.43 314.30 332.89 440.68 491.73 429.80 408.65 401.79 368.41 340.14	129.17 217.52 255.84 255.94 268.98 308.29 342.70 453.14 492.57 460.85 456.93 433.39 394.66 358.94	134.00 257.52 266.40 267.43 275.29 317.26 328.21 434.67 491.22 405.40 370.45 371.21 346.80 324.85	145.05 303.63 310.21 284.61 301.73 340.94 380.48 496.62 507.50 472.80 473.87 432.26 402.93 378.04	140.75 286.66 291.51 275.20 298.10 340.51 387.37 506.62 513.91 478.88 489.35 439.46 408.99 385.91	327.56 736.97 1,004.29 687.90 755.83 1,019.62 1,017.56 1,076.06 1,349.27 1,605.09 1,813.25 2,021.05 1,591.66 1,188.76	133.12 295.56 295.76 269.49 280.61 316.32 330.94 445.56 460.31 379.81 363.41 343.91 354.29 319.07
983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	337.92	344.61	1,450.32	322.27	324.62	328.76	321.22	368.17	367.65	1,450.33	326.88
1983 average											
					TO JAI	PAN					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	140.39 270.56 288.27 278.39 288.34 330.72 360.30 468.83 507.98 461.95 454.30 4395.88 366.82	136.08 245.63 278.84 266.94 284.59 324.74 366.21 478.56 504.92 477.74 480.63 446.01 407.29 377.76	327.56 736.97 1,009.12 687.90 729.17 1,019.62 997.76 1,080.54 1,349.27 1,606.26 1,813.25 2,021.05 1,594.30 1,188.76	138.03 277.21 283.36 277.13 283.74 326.47 345.20 453.73 502.15 420.04 394.40 380.25 368.63 339.98	137.95 254.16 273.34 272.24 281.72 323.40 347.49 455.55 504.11 449.65 430.27 410.31 385.45 351.77	134.62 221.04 264.41 260.88 274.48 312.83 347.38 457.61 493.35 471.47 465.07 437.58 398.66 362.59	139.34 269.24 276.74 277.76 284.86 329.13 347.55 454.43 511.36 431.71 399.91 387.71 373.01 343.47	146.16 305.00 313.31 288.58 299.97 343.58 383.71 496.42 514.71 482.51 488.17 455.36 409.84 386.94	139.77 288.03 295.48 274.68 296.69 340.13 387.82 504.36 516.98 484.95 494.91 452.55 414.88 390.43	327.56 736.97 1,009.12 687.90 729.17 1,019.62 997.76 1,080.54 1,349.27 1,606.26 1,813.25 2,021.05 1,594.30 1,188.76	134.80 296.63 297.32 275.84 281.15 320.42 338.30 451.28 472.01 386.46 378.79 362.10 356.77 330.81
.983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	358.19	361.88	1,450.33	343.01	346.50	348.73	344.98	377.05	374.01	1450.33	336.18

1983 average

Table 10--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In dollars per thousand board feet, Scribner scale)

		FROM	BOTH STATES		FROM WAS	SHINGTON CUSTO	MS OISTRICT	FROM	1 OREGON CUST	OMS O1STR	ICT
YEAR ANO QUARTER	ALL SPECIES	00UGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SUF TWOOOS	ALL SPECIES	OOUGLAS- FIR	OTHER SOFTWOODS	ALL SPECIES	00UGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOD
					TO CAN	AOA					
1972 1973 1974 1975 1976 1977 1978 1979 1980	82.31 132.94 187.62 142.09 163.76 225.82 232.08 299.41 327.92 347.60	68.93 130.26 210.93 174.89 184.62 226.00 227.43 314.72 336.71 441.33	            	86.86 134.14 161.31 128.88 154.54 225.56 245.35 292.78 322.03 308.51	83.77 132.94 187.62 142.09 163.76 225.82 232.08 299.41 327.92 347.60	68.93 130.26 210.93 174.89 184.62 226.00 227.43 314.72 336.71 441.33	80.30 134.14 161.31 128.88 154.54 225.56 245.35 292.18 322.03 308.51	61.66	      		61.66
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	192.82 239.10 366.17 487.47	125.96 474.38 471.58 441.27	  	207.82 233.23 318.80 571.86	192.82 239.10 366.17 487.47	125.96 474.38 471.58 441.27	207.82 233.23 318.80 571.86				
1982 average	224.51	215.75		225.86	224.51	215.75	225.86				
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	346.55			346.55	346.55		346.55				
1983 average											
					TO SOUTH	KOREA					
1972 1973 1974 1975 1976 1977 1978 1979 1980	107.12 181.54 205.03 186.74 211.78 239.13 249.59 326.82 374.50 321.18	106.10 228.47 201.12 192.74 214.11 226.92 257.28 343.23 348.93 368.81		107.22 173.34 206.43 185.46 211.19 240.68 249.02 325.33 376.18 317.38	106.66 178.83 202.12 187.93 208.53 238.75 250.01 324.79 378.74 324.46	106.10 225.89 201.62 181.10 206.47 228.82 261.09 341.93 343.39 376.41	106.72 172.12 202.26 189.82 208.93 240.18 249.11 323.26 380.92 320.53	124.00 231.52 217.47 185.39 240.77 241.53 246.40 352.05 349.17 292.45	238.47 200.23 214.61 244.77 177.52 239.70 357.61 372.50 324.29		124.00 221.40 234.41 180.98 238.54 243.54 247.34 351.48 347.09 288.76
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	315.76 314.45 303.22 275.17	398.43 323.56 333.84 296.39	  	308.68 313.27 299.27 272.17	317.06 325.30 303.58 277.60	393.11 437.30 333.84 290.99	309.68 316.64 299.57 275.51	307.05 283.04 290.00 261.39	640.00 225.29  364.D7		302.92 301.33 290.00 254.68
1982 average	299.98	329.71		296.33	302.81	341.26	298.14	281.94	260.32		284.74
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	269.84	330.54		267.15	270.36	337.14	267.26	265.85	250.01		266.31
1983 average											
					TO MAINLAN	O CHINA					
1980 1981 1982	471.98 401.39	490.48 427.68		399.69 344.94	492.85 396.06	523.52 426.47	406.96 339.51	451.70 420.18	462.77 431.15		386.95 377.57
1st qtr. 2d qtr. 3d qtr. 4th qtr.	395.35 415.79 367.30 359.23	438.14 429.65 388.40 364.90		306.46 368.81 325.91 337.89	398.39 416.39 364.53 356.35	444.16 428.99 393.95 363.07	310.44 386.51 315.94 337.89	386.03 414.97 373.29 369.82	421.46 430.38 378.44 369.82		291.14 316.03 35B.02
1982 average	388.44	406.87		338.18	385.27	406.20	340.64	394.97	407.99		328.31
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	299.10	303.46		278.91	296.98	301.41	278.91	31B.50	318.50	en 10	
- 1983 average											

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington withington of istrict includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 11--Softwood log exports from northern California ports, by species and destination,  $1972\text{-}83^{\scriptsize 1}$ 

(In thousand board feet, Scribner scale)

YEAR AND QUARTER	TOTAL	00UGLAS-FIR	PORT-ORFORO- CEDAR	OTHER SOFTWOOOS
		TO ALL COUNTRIES		
1972	77,459	18,337	3,418	55,704
1973	104,733	34,454	4,065	66,214
1974	77,735	35,146	8,823	33,766
1975 1976	86,943 109,812	52,547 73,924	2,483 2,508	31,913 33,380
1977	70,902	38,302	2,331	30,269
1978	72,650	49,024	2,880	20,746
1979	65,492	37,551	1,611	26,330
1980	31,672	7,287	653	23,732
1981 1982	25,586	5,890	1,381	18,315
1st quarter	4,992	2,066		2,926
2d quarter	1,224	43		1,181
3d quarter	3,875	2,058		1,817
4th quarter	9,416	8,442	6	968
1982 total	19,507	12,609	6	6,892
1983	0.262	2,675	300	6.000
1st quarter 2d quarter 3d quarter 4th quarter	9,263	2,075	300	6,288
1983 total				
		TO JAPAN		
1972	68,830	15,914	3,418	49,498
1973	94,520	29,261	4,065	61,194
1974	69,271	32,485	8,823	27,963
1975 1976	78,813 96,485	48,188 69,395	2,483 2,853	28,142 24,237
1977	57,815	37,765	2,331	17,719
1978	58,760	48,653	1,757	8,350
1979	57,938	37,411	1,611	18,916
1980	27,180	7,055	653	19,472
1981 1982	20,708	1,024	1,381	18,303
1st quarter	3,526	600		2,926
2d quarter	66			66
3d quarter	3,854	2,055		1,799
4th quarter	1,576	615	6	955
1982 total	9,022	3,270	6	5,746
1983				
1st quarter 2d quarter 3d quarter 4th quarter	9,261	2,675	300	6,286
1983 total				
		TO MAINLANO CHINA	·	
1982				
1st quarter	1,466	1,466		
2d quarter				
3d quarter	7,826	7,816		10
4th quarter	7,020	7,010		
1982 total	9,292	9,282		10
1983 1st quarter 2d quarter 3d quarter 4th quarter	2			2

Source--U.S. Oepartment of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

 $^{1}\mbox{Northern}$  California consists of the San Francisco Customs Oistrict and includes Monterey, California, and all ports north of Monterey.

Table 12--Softwood log exports by State and port, Washington, Oregon, and northern California, 1972-83 (In million board feet, Scribner scale)

						STATE OF	washington1				
YEAR AND QUARTER	ABERDEEN		ANACORTES, BELLINGHAM EVER		EVERETT LONGVIEW		PORT ANGELES	TACOMA	NORTHEASTERN WASHINGTON	OTHER	TOTAL
1972	525.1	100.	9 26	8.9	221.3	144.6	285.6	517.4	0.2	45.8	2,109.8
1973	491.5	84.		0.4	328.7	86.9	306.0	511.1	0	54.6	2,113.7
1974	396.2	49.		7.7	300.2	61.5	273.5	383.0		48.4	1,729.7
1975 1976	366.8 502.1	32.: 30.		0.0 7.2	261.3 397.4	48.6 7.5	284.7 324.5	469.2 623.7	0	32.9	1,725.7
1977	402.1	42.		7.7	328.2	68.7	304.6	607.6		28.5 12.0	2,191.4
1978	512.2	41.		1.8	325.8	87.1	387.2	559.7		7.0	2,241.0
1979	648.7	50.		2.8	366.1	101.0	505.0	601.7		9.9	2,616.
1980	498.2	38.		7.3	387.0	80.2	295.1	497.1	.1	3.1	2,086.
1981	414.3	16.	7 20	8.4	215.9	47.3	168.0	446.2	.1	14.9	1531.
1982	124.8	2.		2.0	92.3	18.2	31.2	137.3		9.9	498.0
1st quarter 2d quarter	146.6	5.0		6.6	106.8	19.8	34.6	86.1		.4	455.
3d quarter	151.7	3.		4.4	95.1	14.4	51.2	128.3		3.2	542.0
4th quarter	129.2	0		7.3	80.3	10.2	35.6	142.4	0	.4	475.4
1982 total	552.3	11.0	0 31	0.3	374.5	62.6	152.6	494.1		13.9	1,971.3
1983											
1st quarter 2d quarter	154.0		2 6	1.0	67.8	12.3	47.0	126.4	0	•2	468.9
3d quarter 4th quarter											
1983 total											
		STA	ATE OF OREG	ON1		NORTHERN CALIFORNIA <sup>2</sup>					
YEAR AND QUARTER	ASTORIA	COOS BAY	PORTLAND	OTHER	TOTAL	EUREKA	SACRAMENTO	STOCKTON	OTHER	TOTAL	
1972	262.6	121.0	115.5	9.4	508.5	51.9	2.8	19.4	0.9	75.0	
1973	147.1	155.5	159.8	21.3	483.7	79.6	16.2	8.7	•2	140.7	
1974	159.0	128.1	139.8	24.8	451.7	67.5	9.8	3.8	.2	81.3	
1975	245.7	134.1	137.5	44.5	561.8	66.6	19.9	0	1.4	87.9	
1976	273.3	144.6	99.5	28.0	545.4	83.7	26.1	0		109.8	
1977	210.2	120.1	207.0	15.4	552.7	39.2	25.5	0	6.3	71.0	
1978	168.4	145.1	277.0	15.0	605.5	46.1	18.4	0	8.2	72.7	
1979 1980	150.1 134.7	128.2 135.2	322.0 275.8	17.2 0	617.5 545.7	43.0 14.9	6.0 3.9	•5	16.5 12.3	65.6 31.6	
1981	73.3	113.8	268.2	0	455.3	6.6	13.3	0	5.6	25.5	
1982	,,,,	11010	20012		70010	0.0	1010	· ·	0.00	2010	
1st quarter	24.3	34.6	80.5	0	139.4	2.9	.7	0	0	3.6	
2d quarter	15.0	62.3	74.9	2.3	154.5	1.1	0	0	0	1.1	
3d quarter 4th quarter	23.8 30.2	50.6 43.6	88.3 65.8	0	162.7 139.6	2.6 9.4	0	0	1.2	3.9 9.4	
1982 total	93.3	191.1	309.5	2.3	596.2	16.0	•7	0	1.2	17.9	
1983 1st quarter 2d quarter 3d quarter 4th quarter	17.1	38.6	52.9	0	108.6	3.0	6.3	0	0	9.3	

Source--U.S. Oppartment of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

1983 total

1State totals as presented here for Washington and Oregon do not agree with those found in table 8 because customs districts as used in table 8 do not correspond to State boundaries.

2Northern California consists of the San Francisco Customs Oistrict and includes Monterey, California, and all ports north of Monterey.

Table 13--Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1972-83 (In dollars per thousand board feet, Scribner scale)

YEAR ANO QUARTER	STATE OF WASHINGTON <sup>1</sup>											
	ABEROEEN	ANACORTES, BELLINGHAM	EVERETT	LONGVIEW	OLYMPIA	PORT ANGELES	TACOMA	NORTHEASTERN WASHINGTON	OTHER	AVERAGI		
1972	134.28	128.21	129.47	144.82	146.76	129.52	131.82	146.73	123.50	133.86		
.973	264.23	211.35	258.69	288.82	284.15	215.32	262.90	0	229.45	257.80		
974	266.16	261.07	257.85	292.13	282.38	246.79	274.24		262.10	268.58		
975	256.17	297.84	273.29	280.90	273.90	253.46	266.63		279.01	266.30		
976	269.90	293.96	287.08	302.53	302.53	261.25	277.21	0	252.97	277.26		
977	311.97	296.28	309.82	336.01	331.68	294.59	327.76		263.80	317.86		
978	332.92	295.77	334.87	379.57	347.93	319.97	340.91		344.67	339.68		
979	452.52	376.18	455.44	518.19	499.12	424.46	428.19		492.38	451.64		
980	490.53	414.44	473.47	506.59	510.63	472.08	523.11	280.95	538.84	495.76		
981	394.52	461.88	412.74	462.85	447.21	396.82	473.08	307.74	3.06			
982	394.32	401.00	412.74	402.00	447.21	390.02	4/3.08	307.74	3.06	428.32		
1st quarter	380.65	426.87	400.05	468.48	344.77	330.56	494.55		261.05	426.93		
2d quarter	384.93	345.24	393.68	431.73	392.29	393.59	444.10		361.85			
3d quarter	345.40	382.35	365.02	381.49	335.77	345.14	410.92		516.93	408.80		
4th quarter	305.42	302.33	314.24	394.39	349.98	385.10			365.36	370.75		
4th quarter	305.42		314.24	394.39	349.90	303.10	373.17		542.07	349.31		
1982 average	354.51	374.42	366.86	420.02	358.61	362.47	429.08		372.14	388.57		
983												
1st quarter 2d quarter 3d quarter 4th quarter	303.16	333.33	330.21	356.07	409.69	352.28	329.46	0	371.31	329.36		
1983 average												
		STATE OF OF	REGON <sup>1</sup>		NORTHERN CALIFORNIA <sup>2</sup>							
EAR ANO UARTER	ASTORIA CO	OS BAY PORTI	_ANO OTHI	ER AVER	AGE EU	REKA SACRA	AMENTO STO	OCKTON OTHER	AVERAGE			

		STA	TE OF OREGON <sup>1</sup>	NORTHERN CALIFORNIA <sup>2</sup>						
EAR ANO WARTER	ASTORIA	COOS BAY	PORTLANO	OTHER	AVERAGE	EUREKA	SACRAMENTO	STOCKTON	OTHER	AVERAGE
1972	127.03	194.93	144.27	140.31	147.35	129.24	189.29	179.64	129.17	144.52
.973	321.16	348.95	289.64	257.16	316.88	219.99	226.77	296.78	363.54	227.72
.974	300.21	363.95	302.18	291.33	318.41	295.56	317.05	328.16	252.62	299.55
.975	236.89	349.97	316.25	271.48	286.03	256.07	368.11	0	452.10	284.62
1976	267.63	372.46	337.44	253.76	307.45	292.15	367.73	0		312.31
.977	338.29	409.01	328.22	318.00	349.32	333.34	337.06	0	338.45	335.14
.978	325.32	512.44	366.77	330.78	389.23	353.99	362.18		372.07	358.09
.979	461.34	592.98	455.51	381.59	483.38	336.29	393.19	0	447.84	369.65
980	452.99	604.08	488.22	0	508.23	462.98	485.28	379.65	535.17	492.37
1981	340.14	635.05	448.55	0	477.76	537.93	492.22	0	422.02	488.61
982	274 26	660.01	400 27		477.07	054.00	070 64			050 51
1st quarter	374.36	662.94	428.37	400 00	477.27	254.98	279.64	0		269.51
2d quarter	356.55	495.97	395.56	420.00	432.61	382.60		0		384.06
3d quarter	320.14	444.68	424.05		415.29	309.34		0	429.34	346.75
4th quarter	273.91	445.04	361.47		368.63	361.07		0		363.40
1982 average	325.14	501.04	404.96	420.00	423.35	334.72	279.64	0	469.52	342.13
1983										
1st quarter 2d quarter 3d quarter 4th quarter	296.53	434.13	357.26	0	375.04	424.42	378.55	0		396.64

1983 average

Source--U.S. Department of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

1State averages as presented here for Washington and Oregon do not agree with those found in table 10 because customs districts as used in table 10 do not correspond to State boundaries.

2Northern California consists of the San Francisco Customs Oistrict and includes Monterey, California, and all ports north of Monterey.

Table 14--Volume and average value of softwood log exports from Alaska ports by destination, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

YEAR ANO QUARTER	VOLUME	AVERAGE VALUE
	TO ALL COUNTRIES	
1972	65,837	125.88
1973	71,719	248.23
1974	34,949	240.82
1975 1976	29,011 26,197	307.97 224.59
1977	52,377	263.54
1978	68,025	320.45
1979	128,597	470.97
1980	160,523	532.56
1981 1982	149,187	480.54
1st quarter	13,052	510.48
2d quarter	51,503	491.59
3d quarter	83,964	488.14
4th quarter	92,604	457.95
1982 total and average value	241,123	478.49
1983		
1st quarter	33,522	404.75
2d quarter 3d quarter		
4th quarter		
1983 total and average value		
	TO JAPAN	
1972	61,882	129.99
.973	71,705	248.24
1974 1975	29,088	252.71 352.29
1976	24,311 20,741	253.18
1977	46,897	278.99
.978	57,653	343.49
1979	120,753	475.21
1980 1981	156,275 141,209	533.22 491.44
.982	141,203	471.44
1st quarter	12,145	527.07
2d quarter	47,688	498.07
3d quarter	74,304	494.01
4th quarter	85,563	468.33
1982 total and average value	219,700	486.71
983		
1st quarter	28,469	421.84
2d quarter		
3d quarter 4th quarter		
1983 total and average value		
	TO MAINLANO CHINA	
981 982	3,205	377.57
1st quarter	0	
2d quarter	0	
3d quarter 4th quarter	0	
1982 total and average value	0	
983		
1st quarter	0	
2d quarter 3d quarter		
4th quarter		
1983 total and average value		
attrage value		

Source--U.S. Oppartment of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oata are compiled from Oppartment of Commerce records at the end of each quarter.

Table 15--Volume and value of hardwood log exports from ports of Washington, Oregon, Alaska, and northern California, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars)

YEAR AND QUARTER		SHINGTON MS OISTRICT		REGON S OISTRICT		LASKA IS OISTRICT		RANCISCO S OISTRICT
JUARTER	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
			TO	O ALL COUNTR	IES			
1972 1973 1974 1975 1976 1977 1978 1979 1980	2,999 1,812 633 1,599 3,750 2,735 2,362 2,597 6,826 3,416	882,306 1,351,759 1,121,192 637,455 1,646,972 2,117,386 2,190,449 2,216,256 5,153,711 3,173,191	68 36 45 73 236 189 75 341 2,026 439	133,979 57,747 95,342 103,519 136,188 87,839 91,486 420,741 764,511 470,373	0 0 0 0 0 0 11 138 186 0	19,250 253,716 44,960	1,320 1,084 560 3,911 659 1,396 1,772 1,272 900 683	2,015,85 2,330,76 1,515,476 780,85 1,239,77 2,751,996 4,088,466 3,049,98 2,260,961 1,422,54
1982 1st quarter 2d quarter 3d quarter 4th quarter	757 1,276 1,098 657	570,264 975,968 596,836 751,733	75 12 236 12	84,642 34,519 56,494 41,808	0 0 0		133 371 88 31	287,24 849,25 193,89 33,83
1982 total	3,788	2,894,801	335	217,463	0		623	1,364,22
1983 1st quarter 2d quarter 3d quarter 4th quarter	1,926	1,000,110	34	60,676	0		32	73,503
1983 total								
				TO JAPAN				
1972 1973 1974 1975 1976 1977 1978 1979 1980	1,374 993 540 1,210 3,313 1,444 1,178 1,824 4,786 2,037	727,475 1,164,704 1,063,245 562,583 1,416,317 1,179,616 819,332 1,153,644 1,969,245 2,162,473	64 34 37 14 235 17 57 300 1,964 229	130,080 56,842 84,293 9,039 134,988 33,347 84,025 359,119 726,891 264,161	0 0 0 0 0 0 0 0 74 182	188,389 42,200	1,126 1,015 485 3,803 456 1,063 1,248 1,059 579 310	1,761,79 2,250,21 1,093,50 636,79 1,005,64 2,300,66 3,059,20 2,339,08 1,532,49 742,99
1982 1st quarter 2d quarter 3d quarter 4th quarter	225 350 482 408	170,982 515,986 124,445 400,666	7 12 13 3	11,107 34,519 12,070 6,808	0 0 0	  	89 275 48 5	193,489 615,679 94,040 8,788
1982 total	1,465	1,212,079	35	64,504	0		417	911,99
1983 1st quarter 2d quarter 3d quarter 4th quarter	529	495,749	22	22,516	0		32	73,50
1983 total								
			TC	) MAINLANO CH	IINA			
1980 1981 1982	6 0	2,800	 0		 0		0	
lst quarter 2d quarter	45 0	45,000	0		0		0	
3d quarter 4th quarter	0		0		0		0	
1982 total								
1983 1st quarter 2d quarter 3d quarter 4th quarter	45	45,000	0		0		0	

Source--U.S. Oepartment of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oata are compiled from Department of Commerce records at the end of each quarter. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Alaska Customs District is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey, California.

Table 16--Log exports from southern California ports, by species, 1972-83

(In thousand board feet, Scribner scale)

YEAR AND QUARTER	TOTAL	DOUGLAS- FIR	OTHER SOFTWOODS	HARDWOODS
1972	631	203	92	336
1973	445	214	5	226
1974	378	32	130	216
1975	288	11	224	53
1976	2,396	1,411	670	315
1977 1978	1,360	169 172	411 917	780 632
1979	1,721 2,117	290	359	1,468
1980	1,149	295	610	244
1981	738	88	186	464
1982	, 00	00	100	-101
1st quarter	209	3	27	179
2d quarter	103	4	28	71
3d quarter	56	0	42	14
4th quarter	429	274	114	41
1982 total	797	281	211	305
1983 1st quarter 2d quarter 3d quarter 4th quarter	20	0	0	20
1983 total				

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions which may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 17--Volume and average value of softwood log exports to Canada from the Montana Customs District,  $1972-83\frac{1}{2}$ 

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

	ALL	SPECIES	DOUGLA	S-FIR	OTHER S	OFTWOODS
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
1972	392	113.71	19	162.89	373	111.20
1973	379	177.58	93	261.16	286	150.40
1974	925	178.24	19	149.05	906	178.86
1975	739	226.93	72	274.78	667	221.76
1976	57 1	228.43	103	254.08	468	222.78
1977	1,227	247.66	467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
.979	3,906	168.47	0		3,906	168.47
.980	699	239.88	36	303.53	663	236.42
.981	477	362.68	123	475.06	354	323.64
.982	-					
1st quarter	142	273.20	16	203.81	126	282.01
2d quarter	64	349.36	0		64	349.36
3d quarter	58	340.50	0		58	340.50
4th quarter	154	250.44	0		154	250.44
1982 total and average value	418	285.81	16	203.81	402	289.07
983 1st quarter 2d quarter	63	310.65	0		63	610.65
3d quarter 4th quarter -						
1983 total and average value						

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

1 Montana Customs District includes all ports in Montana and Idaho.

Table 18--Log exports from British Columbia ports, by species and destination,  $1972-83^{1/2}$  (In thousand board feet, British Columbia log scale)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS- FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO ALL	. COUNTRIES			
1972 1973 1974 1975 1976 1977 1978 1978 1979 1980 1981	55,866 35,716 148,801 85,082 116,193 186,511 128,853 169,107 231,784 184,481	836 1,852 11,790 2,406 5,390 10,085 8,592 2,431 8,907 856	13,956 9,750 31,528 18,914 39,069 118,085 24,467 56,504 106,193 98,579	18,477 7,441 67,843 19,373 21,901 36,048 45,143 56,954 49,590 24,616	14,958 13,647 27,355 41,416 41,959 19,835 49,767 43,201 36,756 37,774	3,965 1,211 4,973 1,505 3,346 754 530 4,135 12,155 18,943	3,674 1,815 5,312 2,188 4,528 1,704 354 5,882 18,183 3,713
1st quarter 2d quarter 3d quarter 4th quarter	51,064 48,932 72,310 80,586	169 5,360 17,262 25,401	24,488 13,416 17,169 20,658	11,263 8,730 9,655 8,357	9,972 9,928 9,830 10,716	5,168 9,742 12,973 9,204	1,756 5,421 6,250
1982 total	252,892	48,192	75,731	38,005	40,446	37,087	13,431
1983 1st quarter 2d quarter 3d quarter 4th quarter	135,976	44,710	41,072	4,176	17,097	17,360	11,021
1983 total							
			ТО	JAPAN			
1972 1973 1974 1975 1976 1977 1978 1978 1980 1981	46,059 29,239 80,655 61,728 67,192 109,301 90,001 120,297 154,824 131,321	567 1,293 2,167 1,460 792 5,106 4,094 1,894 1,692 698	13,478 8,058 22,968 10,477 17,026 65,092 16,890 49,281 61,500 71,645	13,412 6,205 31,915 7,696 7,343 23,413 24,038 27,597 35,346 17,427	14,938 13,284 16,503 39,470 39,905 15,489 44,814 35,883 36,157 31,541	3,664 399 2,304 1,253 470 201 99 3,636 6,939 10,010	0 0 4,798 1,372 1,656 0 66 2,056 13,190
1st quarter 2d quarter 3d quarter 4th quarter	41,921 14,779 41,823 31,934	163 84 6,187 1,771	18,649 4,177 12,879 15,898	11,263 3,286 5,257 3,653	9,530 4,211 8,461 7,604	2,316 3,021 8,413 3,008	0 0 626 0
1982 total	130,457	8,205	51,603	23,459	29,806	16,758	626
1983 1st quarter 2d quarter 3d quarter 4th quarter	72,481	15,996	35,674	4,346	11,558	4,907	0
1983 total							

Table 18--Log exports from British Columbia ports, by species and destination,  $1972-83^{1/2}$  (continued) (In thousand board feet, British Columbia log scale)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS- FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO UNI	TED STATES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1981 1982 1st quarter 2d quarter 3d quarter	18,413 15,114	269 559 9,623 946 4,598 4,979 4,498 537 7,215 158 6 40 45 1,433	478 1,692 8,560 7,717 22,043 50,817 6,039 7,223 44,693 26,934 5,839 6,732 5,910 4,760	5,065 1,236 35,928 11,677 14,558 12,043 19,144 29,357 14,244 7,189 0 3,619 2,960 4,126	20 363 10,852 1,946 1,964 4,346 2,443 7,368 594 4,340 442 775 1,369 3,109	301 812 2,669 252 2,876 553 431 499 5,216 8,879 2,852 6,436 4,560 6,196	3,674 1,809 514 816 2,872 1,704 288 3,826 4,993 2,824 4 811 270 1,606
1982 total	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983 1st quarter 2d quarter 3d quarter 4th quarter		2,790	5,398	370	2,443	7,562	1,808
1983 total							
			TO MAI	NLAND CHINA			
1982 1st quarter 2d quarter 3d quarter 4th quarter	9,023 11,030	0 5,226 11,030 22,197	0 0 0	0 0 0	3,787 0 0	0 0 0 0	0 0 4,472 4,439
1982 total	46,689	38,463	0	0	3,787	0	8,911
1983 1st quarter 2d quarter 3d quarter 4th quarter		25,924	0	0	3,096	4,891	9,213
1983 total							

Source--Bureau of Economics and Statistics, Department of Industrial Development, Trade, and Commerce, Victoria, B.C., "Preliminary Statement of External Trade."

<sup>&</sup>lt;sup>1</sup>Figures do not include shipments of pulpwood logs.

Table 19--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

YEAR AND QUARTER	VOLUME	AVERAGE VALUE
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter	8,451 2,102 31,625 55,494 44,438 91,962 41,307 75,855 51,828 33,985 9,145 12,099 13,146	80.44 124.71 248.69 207.13 122.62 194.93 271.29 298.89 233.08 319.77 314.18 340.07 304.62
4th quarter	25,102	304.62
1982 total and average value	59,492	313.27
1983 1st quarter 2d quarter 3d quarter 4th quarter	27,366	255.60
1983 total and average value		

Source--U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

Table 20--Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1972-83

	CHIPPED P	ULPWOOD	ROUNDWOO	D PULPWOOD	
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE Dollars	
	Short tons	Dollars	Cords		
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter	909,926 1,085,124 623,830 493,761 877,550 1,056,102 1,215,483 1,039,458 1,185,701 1,160,507 350,630 357,400 275,629	9.87 11.19 15.55 23.36 20.98 18.59 16.37 17.19 26.77 32.33 33.44 35.98 29.92	2,300 16 31,998 11,517 1,967 16,674 0 0 57,337 23,084	47.56 97.06 60.08 42.90 32.14 91.19  66.64 130.11	
4th quarter  1982 total and average value	1,247,813	27.57 32.15	8,320	139.24	
1983 1st quarter 2d quarter 3d quarter 4th quarter	337,359	26.69	0		
1983 total and average value					

Table 21--Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1972-83

(In short tons, ovendried basis; average value in dollars per short ton)

	WASHINGTON CUSTOMS DISTRICT		OREGO CUSTOMS DI		SAN FRA CUSTOMS	NCISCO DISTRICT	ALA CUSTOMS	SKA DISTRICT
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
1972	168,725	19.56	2,081,032	22.12	253,401	27.76	20,158	25.76
1973	272,196	21.84	2,778,829	24.85	369,403	24.41	0	
1974	390,370	28.62	3,177,465	26.50	242,017	30.69	34,828	28.99
1975	326,083	38.56	2,436,807	34.74	257,735	28.96	32,399	48.51
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
1977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982								
1st quarter	83,962	88.46	502,602	83.30	57,573	85.69	0	
2d quarter	64,361	75.43	475,798	83.38	71,127	76.73	27,430	56.53
3d quarter	74,513	83.00	500,303	84.57	25,212	88.67	32,404	77.99
4th quarter	105,538	71.67	435,736	81.80	42,380	88.18	14,330	72.44
1982 total and								
average value	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983	60 722	75 40	400 600	70 10	E7 210	67 07	6 6 4 5	24 67
1st quarter 2d quarter 3d quarter 4th quarter	69,722	75.40	400,690	70.19	57,310	67.87	6,645	34.67
1983 total and								
1983 total and average value								

Source--U.S. Department of Commerce except for San Francisco data for 1970 and 1971 which were obtained from the Port of Sacramento. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Washington Customs District includes all ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Alaska Customs District is the State of Alaska.

Table 22--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1972-83^{1/2}$  (In thousand board feet)

		FROM	BOTH STATE	S	FROI	I WASHINGTON	CUSTOMS 0	1STR1CT	FR	OM OREGON CU	STOMS OISTR	1CT
YEAR ANO QUARTER	TOTAL	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	00UGLAS- FIR	WESTERN HEMLOCK	OTHE SOFT WOOO
					TO A	LL COUNTRIE	S					
1972 1973 1974 1975 1976 1976 1977 1978 1979 1980 1981 1981	406,493 799,631 719,729 616,883 698,941 549,059 585,588 839,895 984,882 933,739	321,761 532,321 496,978 415,152 478,100 372,609 374,032 427,063 449,123 451,075	30,772 169,927 124,047 125,529 145,645 125,479 135,156 280,067 338,487 268,024	53,960 97,383 98,704 76,202 75,196 50,971 76,400 132,765 197,272 214,640	164,472 324,740 331,818 263,754 311,599 256,703 310,100 413,673 521,728 467,886	99,927 143,666 174,056 151,681 155,041 123,783 128,895 98,685 106,671 139,070	21,994 104,851 79,399 52,064 94,581 92,364 118,094 211,030 270,706 173,000	42,551 76,223 78,363 60,009 61,977 40,556 63,111 103,858 144,351 155,816	242,021 474,891 387,911 353,129 387,342 292,356 275,488 426,322 463,154 465,853	221,834 388,655 322,922 263,471 323,059 248,826 245,137 328,378 342,452 312,005	8,778 65,076 44,648 73,465 51,064 33,115 17,062 69,031 67,781 95,024	11,40 21,16 20,34 16,19 13,21 10,41 13,28 28,90 52,92 58,82
1st quarter 2d quarter 3d quarter 4th quarter	230,902 236,114 177,462 243,923	106,344 120,027 92,221 100,671	80,882 75,976 52,332 97,711	43,676 40,111 32,909 45,541	124,372 130,958 73,300 144,326	33,409 36,225 16,992 30,423	62,730 62,809 33,343 78,292	28,233 31,924 22,965 35,611	106,530 105,156 104,162 99,597	72,935 83,802 75,229 70,248	18,152 13,167 18,989 19,419	15,44 8,18 9,94 9,93
1982 total	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,50
1983 1st quarter 2d quarter 3d quarter 4th quarter	249,498	124,545	72,467	52,486	136,719	32,870	56,501	47,348	112,779	91,675	15,966	5,13
1983 total												
						TO JAPAN						
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	23,699 153,537 205,888 208,160 186,628 145,336 163,233 355,840 362,458 312,232	3,437 40,402 102,858 96,307 68,927 40,945 36,429 75,567 53,084 55,479	10,589 99,707 77,973 96,610 107,884 93,719 108,610 227,702 249,729 206,837	9,673 13,428 25,057 15,243 9,817 10,722 18,194 52,571 59,645 49,916	14,951 89,514 103,531 89,489 127,553 108,468 141,963 258,444 269,406 189,547	571 19,247 44,424 40,991 39,430 20,845 25,609 45,549 26,428 25,966	7,291 64,966 47,616 45,359 80,891 80,161 103,056 177,239 199,237 128,307	7,089 5,301 11,491 3,139 7,232 7,462 13,289 35,656 43,741 35,274	8,748 64,023 102,357 118,671 59,075 36,918 21,270 97,396 93,052 122,685	2,866 21,155 58,434 55,316 29,497 20,100 10,820 30,018 26,656 29,513	3,298 34,741 30,357 51,251 26,993 13,558 5,554 50,463 50,492 78,530	2,584 8,12 13,566 12,104 2,585 3,266 4,896 16,915 15,904 14,644
1st quarter 2d quarter 3d quarter 4th quarter	114,615 100,834 65,620 133,152	27,423 20,511 16,197 30,030	71,237 65,527 41,041 83,039	15,955 14,796 8,382 20,083	75,262 75,174 36,378 96,686	12,553 10,813 4,811 13,642	54,332 53,188 26,251 68,004	8,377 11,173 5,316 15,040	39,353 25,660 29,242 36,466	14,870 9,693 11,386 16,388	16,905 12,339 14,790 15,035	7,578 3,623 3,066 5,043
1982 total	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983 1st quarter 2d quarter 3d quarter 4th quarter	111,529	28,259	62,186	21,084	77,376	10,277	47,871	19,228	34,153	17,982	14,315	1,856

1983 total

Table 22--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1972-83^{\frac{1}{2}}$  (continued) (In thousand board feet)

		FROM	BOTH STATES	S	FROM	WASHINGTON	CUSTOMS D	ISTRICT	FR	OM OREGON CU	STOMS OISTRI	СТ
YEAR ANO QUARTER	TOTAL	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOODS
						TO CANAOA						-
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	70,297 88,695 126,547 113,213 101,633 76,251 117,969 113,977 159,658 213,594	42,581 49,381 67,856 61,099 50,327 45,842 69,852 38,917 54,876 91,861	8,687 9,340 5,952 4,299 6,737 3,695 9,241 18,870 26,325 20,598	19,029 29,974 52,739 47,815 44,569 26,714 38,876 56,190 78,457 101,135	70,297 88,695 124,097 112,783 101,633 76,251 117,930 113,977 159,658 213,594	42,581 49,381 65,406 61,099 50,327 45,842 69,813 38,917 54,876 91,861	8,687 9,340 5,952 3,869 6,737 3,695 9,241 18,870 26,325 20,598	19,029 29,974 52,739 47,815 44,569 26,714 38,876 56,190 78,457 101,135	0 0 2,450 430 0 0 339 0	0 0 2,450 0 0 0 39 0 0	0 0 0 430 0 0 0 0	
1st quarter 2d quarter 3d quarter 4th quarter	35,512 30,063 24,377 30,237	14,891 14,498 8,853 12,531	5,260 2,112 1,872 1,883	15,361 13,453 13,652 15,823	35,512 30,063 24,377 30,237	14,891 14,498 8,853 12,531	5,260 2,112 1,872 1,883	15,361 13,453 13,652 15,823	0 0 0	0 0 0	0 0 0	
1982 total	120,189	50,773	11,127	58,289	120,189	50,773	11,127	58,289	0	0	0	
1983 1st quarter 2d quarter 3d quarter 4th quarter	42,952	17,999	2,467	22,486	42,952	17,999	2,467	22,486	0	0	0	
1983 total												
					TO 14/	AINLANO CHIN	IA					
981 982	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	
lst quarter	5	5	0	0	0	0	0	0	5	5	0	
2d quarter 3d quarter	0 2,194	0 2,194	0	0	0	0	0	0	0 2,194	0 2.194	0	
3d quarter 4th quarter	49	49	0	0	0	0	0	0	49	49	0	
1982 total	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	
983 1st quarter 2d quarter 3d quarter 4th quarter	0	0	0	0	0	0	0	0	0	0	0	
1983 total												

Source--U.S. Oppartment of Commerce. Data are compiled from Oppartment of Commerce records at the end of each quarter.

 $<sup>^{1}</sup>$ Includes lumber classified as railroad crossties and not specified by species.

Table 23--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1979-83\frac{1}{2}$  (In dollars per thousand board feet)

		FROM	BOTH STATES		FROM WASHINGTON CUSTOMS DISTRICT				FROM OREGON CUSTOMS DISTRICT			
YEAR ANO QUARTER	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS
					T	ALL COUNTR	IES					
1979 1980 1981	518.36 436.14 387.06	639.18 560.96 436.65	377.03 319.83 342.81	427.85 351.55 338.11	401.51 324.62 332.62	471.86 361.19 360.84	371.57 310.48 322.81	395.90 324.13 318.31	631.60 561.77 441.75	689.47 623.19 470.44	393.73 357.18 379.24	542.6 426.3 390.5
1st quarter 2d quarter 3d quarter 4th quarter	378.22 396.44 366.63 327.75	419.28 466.38 423.37 382.27	319.39 294.26 287.56 268.88	387.17 380.70 333.33 333.52	313.31 308.16 312.22 275.66	321.03 321.36 338.91 248.48	308.56 294.93 303.14 270.22	314.73 319.21 305.66 310.86	453.99 506.38 404.91 402.22	464.29 529.06 442.45 440.21	356.79 291.06 260.20 263.52	519.6 620.4 397.2 414.7
1982 average	366.89	424.78	291.66	359.59	303.23	304.87	291.53	313.02	442.78	471.22	292.09	486.70
1983 1st quarter 2d quarter 3d quarter 4th quarter	349.88	386.89	312.11	314.22	305.05	397.05	313.84	300.12	404.23	419.10	305.98	444.1
1983 average												
						TO JAPAN						
979 980 931	418.26 353.02 357.26	491.38 391.89 436.99	376.08 332.12 321.23	495.86 405.92 417.97	407.98 346.43 357.88	488.99 391.76 428.98	372.67 326.23 322.83	480.04 411.03 433.00	445.53 372.09 356.32	495.01 392.01 444.04	388.04 355.34 318.60	529.21 391.88 381.71
.982 1st quarter 2d quarter 3d quarter 4th quarter	336.07 334.49 281.26 289.73	380.63 322.38 246.83 289.68	312.93 343.56 250.90 270.20	362.50 311.11 496.45 370.57	310.10 286.35 258.45 279.43	325.15 304.56 194.53 252.27	301.45 282.24 235.77 365.88	343.65 288.27 428.28 365.37	385.72 475.53 309.64 317.04	427.53 342.25 268.93 320.83	350.02 607.88 277.75 289.74	383.34 381.55 614.66 386.08
1982 average	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.45
983 1st quarter 2d quarter 3d quarter 4th quarter	309.30	285.24	313.18	330.11	300.64	268.24	295.68	330.32	328.91	294.94	371.70	327.9

Table 23--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1979-83\frac{1}{2}$  (continued) (In dollars per thousand board feet)

		FROM	BOTH STATES		FROM	MASHINGTON	FROM WASHINGTON CUSTOMS OISTRICT				FROM OREGON CUSTOMS OISTRICT			
YEAR ANO QUARTER	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	ALL SPECIES	000GLAS- FIR	WESTERN HEMLOCK	OTHE SOFT WOOD		
						TO CANAOA								
1979 1980 1981 1982	333.39 263.66 271.69	384.39 285.72 298.64	331.18 252.59 301.46	298.58 251.96 241.23	333.28 263.66 271.69	384.39 285.72 298.64	331.18 252.59 301.46	298.58 251.96 241.23	0 0 0	0 0 0	0 0 0	0 0 0		
1st quarter 2d quarter 3d quarter 4th quarter	266.80 295.12 255.32 234.81	264.46 322.23 265.26 214.63	290.34 344.18 360.63 321.75	261.00 258.16 234.43 241.58	266.80 295.12 255.32 234.81	264.46 322.23 265.26 214.63	290.34 344.48 360.63 321.75	261.00 258.16 234.43 241.58	0 0 0	0 0 0	0 0 0	0 0 0		
1982 average	263.51	268.80	317.76	248.85	263.51	268.80	317.76	248.85	0	0	0	0		
1983 1st quarter 2d quarter 3d quarter 4th quarter	263.27	278.36	325.74	244.33	263.27	278.36	325.74	244.33	0	U	0	0		
1983 average														
					TO	MAINLANO C	HINA	-						
981 982	283.78	286.62	741.60	105.42	270.22	450.82	741.60	105.42	284.30	284.30	0	0		
1st quarter 2d quarter 3d quarter 4th quarter	170.00 0 258.05 195.63	170.00 0 258.05 195.63	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	170.00 0 258.05 195.63	170.00 0 258.05 195.63	0 0 0	0 0 0		
1982 average	257.07	257.07	0	0	0	0	0	0	257.07	257.07	0	0		
983 1st quarter 2d quarter 3d quarter 4th quarter	0	0	0	0	0	0	0	0	0	0	0	0		

Source--U.S. Oepartment of Commerce. Oata are compiled from Oepartment of Commerce records at the end of each quarter.

 $<sup>^{1}\</sup>mbox{Includes}$  lumber classified as railroad crossties and not specified by species.

Table 24--Softwood lumber exports from northern California ports, by species and destination,  $1972\text{-}83^{\scriptsize 1}$ 

(In thousand board feet)

YEAR ANO QUARTER	TOTAL	DOUGLAS-FIR	WESTERN HEMLOCK	OTHER SOFTWOO
	aginationalisti kirjayati timatikati ya ya ya kata kirjayati kirjayati ya kata ya kata ya kata ya kata ya kata	TO ALL COUNTRIES		
1972	48,914	20,843	135	27,936
1973	73,842	30,746	2,530	40,566
1974 1975	35,314 27,628	17,350 13,388	815 636	17,149 13,604
1976	40,585	14,430	462	25,693
1977	44,438	18,951	1,137	24,350
1978	32,919	12,931	684	19,304
1979 1980	30,832 34,603	10,539 10,531	1,498 3,777	18,795 20,295
1981	47,315	7,841	12,037	27,437
1982	10 202	0.407	1 607	
1st quarter 2d quarter	10,323 13,228	2,497 4,446	1,607 1,750	6,219 7,032
3d quarter	13,922	2,738	1,220	9,964
4th quarter	15,244	4,174	2,959	8,111
1982 total	52,717	13,855	7,536	31,326
1983				
1st quarter 2d quarter 3d quarter 4th quarter	11,357	4,060	1,748	5,540
1983 total				
		TO JAPAN		
1972	6,884	17	28	6,839
1973	4,963	328	2,359	2,275
1974 1975	3,208 4,303	317 337	12	2,879 3,966
1976	5,724	168	396	5,160
1977	7,766	1,354		6,412
1978 1979	6,763 8,854	107 0	200 700	6,456 8,154
1980	17,384	1,160	3,256	12,968
1981	29,437	2,608	11,834	14,995
1982 1st quarter	8,480	2,024	1,557	4,899
2d quarter	8,809	2,049	1,737	5,023
3d quarter	10,668	1,448	1,170	8,050
4th quarter	10,256	1,764	2,117	6,375
1982 total	38,213	7,285	6,581	24,347
1983 1st quarter 2d quarter 3d quarter 4th quarter	7,519	1,381	1,748	4,390
1983 total				
		TO MAINLANO CHINA		
1981	93	0	0	93
1982 1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter	5	0	0	5
4th quarter	17	17	U	U
1982 total	22	17	0	5
1983 1st quarter 2d quarter 3d quarter 4th quarter	0	0	0	0
1983 total				

Source--U.S. Department of Commerce.

 $<sup>1 \</sup>mbox{Northern California}$  consists of the San Francisco Customs Oistrict and includes Monterey, California, and all ports north of Monterey.

Table 25--Softwood lumber exports from southern California ports, by species and destination,  $1972\text{-}83^{\scriptsize 1}$ 

(In thousand board feet)

YEAR AND QUARTER	TOTAL	DOUGLAS-FIR	OTHER SOFTWOOD:
	TO ALL	COUNTRIES	
1972	56,599	23,938	32,661
1973	52,608	19,599	33,009
1974	46,514	18,684	27,830
1975	56,759	23,596	33,163
1976 1977	61,256 72,588	23,078	38,178
1978	74,347	26,895 27,661	45,693 46,686
1979	81,372	20,388	60,984
1980	95,641	24,830	70,811
981	109,451	18,809	90,642
1982			
1st quarter	21,918	1,969	19,949
2d quarter 3d quarter	26,975 15,081	2,928 1,680	24,047 13,401
4th quarter	7,238	914	6,324
7011 qual oct	7,200		
1982 total	71,212	7,491	63,721
1983			
1st quarter	6,717	494	6,223
2d quarter			
3d quarter			
4th quarter			
1983 total			
	ТО	JAPAN	
1972	1,578	12	1,566
1973	264		264
1974	64		64
.975 .976	119 377		119 377
.977	172	73	99
.978	471		471
1979	739		739
. 980	2,330	237	2,093
.981	1,477	360	1,117
.982 1st quanton	245	0	245
1st quarter 2d quarter	3	0	3
3d quarter	12	12	Ő
4th quarter	30	0	30
1982 total	290	12	278
002			
	0	0	0
983 1st quarter	9	9	O
1st quarter 2d quarter			
1st quarter 2d quarter			
1st quarter			

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

<sup>&</sup>lt;sup>1</sup>Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 26--Softwood lumber exports from Alaska ports, by species and destination, 1972-83

(In thousand board feet)

YEAR ANO QUARTER	TOTAL	WESTERN HEMLOCK	SITKA SPRUCE	CEOAR	OTHER SOFTWOOD
		TO ALL COU	NTRIES		
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	340,196 404,849 362,432 313,307 290,011 250,044 237,795 278,462 256,716 195,981	155,407 210,555 250,144 179,398 134,387 122,544 126,218 172,005 158,682 104,974	184,649 194,143 154,525 132,556 148,526 121,350 111,435 103,844 96,607 91,007	0 12 2,641 1,353 1,298 5,579 53 479 105	140 139 122 0 5,800 571 89 2,134 1,322
1982 1st quarter 2d quarter 3d quarter 4th quarter	49,526 54,839 34,136 33,465	16,908 23,000 13,765 321,827	32,618 30,178 20,371 311,638	0 0 0	1,661 0 0
1982 total	171,966	75,500	94,805	0	1,661
1983 1st quarter 2d quarter 3d quarter 4th quarter	42,858	20,389	21,854	0	615
1983 total					
		TO JAPA	N.		
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	336,798 403,938 361,691 312,976 289,197 245,445 236,615 273,615 251,369 161,794	152,555 210,536 204,845 179,122 134,274 122,471 125,355 170,149 156,654 82,753	184,243 193,390 154,205 132,501 148,221 121,083 111,207 101,408 94,610 79,041	0 12 2,641 1,353 902 1,391 53 435 105	0 0 0 0 5,800 500 0 1,623 0
1982 1st quarter 2d quarter 3d quarter 4th quarter	39,046 53,846 29,469 33,465	13,050 23,000 13,315 21,827	25,996 30,178 16,154 11,638	0 0 0	0 668 0
1982 total	155,826	71,192	83,966	0	668
1983 1st quarter 2d quarter 3d quarter 4th quarter	34,269	18,795	14,937	0	537
1983 total					
		TO MAINLANO	CHINA		
1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	27,149 9,479 0 3,674	18,428 2,857 0 450 0	8,721 6,622 0 3,224	0 0 0	0 0 0 0
1982 total	13,153	3,307	9,846	0	0
1983 1st quarter 2d quarter 3d quarter 4th quarter	5,976	1,582	4,394	0	0
1983 total					

Source--U.S. Oppartment of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 27--Softwood lumber exports to Canada from the Montana Customs District,  $1972-83^{1}$ 

(In thousand board feet)

YEAR AND QUARTER	TOTAL	DOUGLAS-FIR	WESTERN HEMLOCK	OTHER SOFTWOODS
1972	16,360	6,391	1,595	8,374
1973	47,727	30,526	3,334	13,867
1974	29,146	9,618	3,602	15,926
1975	50,226	12,745	4,516	32,965
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29,645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981 1982	82,933	18,196	1,308	63,429
1st quarter	13,582	2,047	231	11,304
2d quarter	10,114	1,573	56	8,485
3d quarter	11,699	2,763	194	8,742
4th quarter	12,023	2,212	209	9,602
•				
1982 total	47,418	8,595	690	38,133
1983				
1st quarter 2d quarter 3d quarter 4th quarter	16,216	3,428	230	12,558

Source--U.S. Department of Commerce.

1 Montana Customs District includes all ports in Montana and Idaho.

Table 28--Lumber exports from British Columbia ports, by species and destination, 1972-83 (In thousand board feet)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS-FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO ALL COUNTR	IES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	3,834,552 4,169,812 3,938,940 3,001,410 4,670,033 5,860,807 5,876,119 5,755,532 5,160,800 4,421,519 1,045,913 1,236,274 1,018,860 941,852	707,112 566,535 527,706 356,371 542,197 683,614 679,566 679,694 498,425 420,466 99,313 99,590 86,096 54,933	1,801,818 2,032,594 1,699,277 1,113,665 1,967,446 2,364,028 2,492,764 2,313,186 2,098,672 1,805,988 451,692 508,243 420,486 423,578	406,409 456,522 406,419 295,218 467,829 533,267 570,796 646,701 988,347 604,608 166,216 176,105 151,808 141,736	634,563 766,830 914,787 825,527 1,191,429 2,269,876 2,116,258 1,983,829 1,872,234 1,495,892 56,025 64,291 41,548 46,354	278,836 344,401 387,043 409,507 499,853 8,796 15,674 129,161 99,624 93,086 272,403 387,718 309,280 274,940	5,814 2,930 3,708 1,122 1,279 1,226 1,061 2,961 3,498 1,479 264 327 9,642 311
1983 1st quarter 2d quarter 3d quarter 4th quarter	4,242,899 1,173,746	339,932 80,455	1,803,999 503,998	635,865	208,218	363,111	2,370
1983 total							
			TO JAPAN		-		
1972 1973 1974 1975 1976 1977 1978 1979 1980	400,051 617,449 500,785 407,674 633,863 705,823 779,135 1,014,481 1,084,426 867,636	15,268 12,987 15,335 12,870 13,727 18,530 23,799 44,021 55,800 34,239	300,460 441,852 349,560 301,336 476,927 530,567 545,983 677,425 701,579 577,901	46,052 88,946 83,749 60,490 79,934 90,447 116,368 158,121 136,130 129,256	34,003 71,531 49,116 30,488 61,743 65,943 92,940 133,358 185,379 125,324	526 1,849 2,490 2,405 1,521 85 0 546 4,158 717	3,742 284 535 85 11 251 45 1,010 1,380 199
1982 1st quarter 2d quarter 3d quarter 4th quarter	321,362 300,572 221,355 205,082	17,735 10,662 8,972 7,022	220,513 219,718 149,475 123,919	33,431 23,776 28,409 34,284	18,192 15,107 14,650 18,760	31,401 31,275 19,849 21,082	90 34 0 15
1982 total	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983 1st quarter 2d quarter 3d quarter 4th quarter	284,327	10,068	189,631	32,141	19,963	32,499	25
1983 total							

Table 28--Lumber exports from British Columbia ports, by species and destination, 1972-83 (continued) (In thousand board feet)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS-FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO UNITED STA	TES1			
1972	2,679,159	505,902	1,155,419	254,521	491,217	270,029	2,071
1973	2,601,556	347,653	1,143,329	240,978	544,634	322,316	2,646
1974	2,287,461	302,112	761,924	207,138	659,751	353,487	3,049
1975	2,026,343	238,331	542,256	166,949	684,404	393,391	1,012
1976	2,965,011	322,793	978,784	267,831	938,185	456,237	1,181
1977	4,107,653	529,808	1,340,920	333,604	1,894,371	7,988	962
1978	4,078,666	501,841	1,443,548	365,062	1,751,741	15,496	978
1979 1980	3,528,648	462,658	1,125,807	382,991	1,429,014	126,536	1,642
1981	2,590,889 2,337,958	283,482 228,856	775,428 803,019	355,821 394,800	1,079,387 813,733	94,683 96,305	2,088 1,245
1982	2,337,930	220,000	003,013	334,000	013,733	90,303	1,245
1st quarter	454,409	38,338	143,946	105,038	28,766	138,161	160
2d quarter	598,691	45,348	178,235	129,618	35,901	209,335	254
3d quarter	487,198	40,730	138,339	104,856	23,304	179,603	366
4th quarter	477,427	33,360	176,993	91,122	23,343	152,313	296
1							
1982 total	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983							
1st quarter 2d quarter 3d quarter 4th quarter	596,902	42,067	197,343	107,140	39,938	209,966	448
1983 total							
			TO MAINLAND CH	INA			
1982							
1st quarter	37	0	0	0	0	37	0
2d quarter	8,663	0	6,426	0	0	2,337	0
3d quarter	15,481	0	6,290	0	0	0	9,191
4th quarter	19,025	0	28,877	0	624	2,240	0
1982 total	43,206	0	28,877	0	624	49514	9,191
1983							
1903 1st quarter 2d quarter 3d quarter 4th quarter	16,970	0	10,445	0	0	4,663	1,862
1983 total							

Source--Bureau of Economics and Statistics, Department of Industrial Development, Trade, and Commerce, Victoria, B.C., "Preliminary Statement of External Trade."

<sup>&</sup>lt;sup>1</sup>Figures do not include shipments of railroad crossties.

Table 29--Plywood exports from Washington and Oregon ports, by origin and destination, 1972-83 (In thousand square feet)

		80TH DISTRICTS	FROM WAS CUSTOMS O		FROM O CUSTOMS O	
YEAR ANO QUARTER	SOFTWOOO, 3/8-INCH 8AS1S	HAROWOOO, SURFACE MEASURE	SOFTWOOO, 3/8-INCH 8ASIS	HAROWOOO, SURFACE MEASURE	SOFTWOOO, 3/8-INCH BASIS	HAROWOOO SURFACE MEASURE
		TO A	LL COUNTRIES			
1972	122,242	3,603	23,241	3,342	99,001	261
1973 1974	284,806 284,487	6,337 6,590	45,493 131,317	5,546 5,604	239,313 153,170	791 986
1975	407,117	10,493	93,951	10,360	313,166	133
.976	532,576	24,229	34,020	23,846	498,556	383
.977	233,762	17,673	20,603	17,447	213,159	226
.978 .979	242,105 330,018	12,160 9,962	23,284 27,132	8,871 9,644	218,821 302,886	3,289 318
980	279,003	9,718	20,747	8,806	258,256	912
981	327,967	18,645	65,729	17,333	262,238	1,312
.982	61 005	2 000	0.550	2 002	F2 402	-
1st quarter	61,985 54,367	3,009 2,326	8,562 10,519	3,003 2,326	53,423	6 0
2d quarter 3d quarter	26,117	1,352	8,687	1,348	43,848 17,430	4
4th quarter	79,140	2,748	8,500	2,669	70,640	79
1982 total	221,609	9,435	36,268	9,346	185,341	89
	,	-,	,200	,,,,,,,	200,012	0,5
1983 1st quarter 2d quarter 3d quarter 4th quarter	109,950	4,445	10,297	4,311	99,653	134
1983 total						
			TO JAPAN			
972	734	34	432	0	302	34
1973	8,139	247	1,625	0	6,514	247
974	3,311	188	1,203	11	2,108	177
1975 1976	2,141 2,361	14 61	414 498	0 61	1,727 1,863	14
1977	1,914	162	122	74	1,792	88
.978	2,821	18	167	18	2,654	0
. 979	6,040	108	931	108	5,109	0
1980 1981	8,301 5,056	978 13	4,158 2,162	978 12	4,143 2,894	0
982	3,030	13	2,102	12	2,034	1
1st quarter	1,671	0	408	0	1,263	0
2d quarter	2,523	0	948	0	1,575	0
3d quarter 4th quarter	629 1,897	0 19	524 1,272	0 19	105 625	0
ven quareer			1,272			
1982 total	6,720	19	3,152	19	3,568	0
983 1st quarter 2d quarter 3d quarter 4th quarter	1,264	0	910	0	354	0
1983 total						
		TO MA	INLANO CHINA			
1982						
1st quarter	0	0	0	0	0	0
2d quarter 3d quarter	0	1 0	0	1	0	0
4th quarter	0	Ö	ő	0	0	ő
1982 total	0	1	0	1	0	0
1983						
1st quarter 2d quarter 3d quarter 4th quarter	0	0	0	0	0	0
1983 total						

Source--U.S. Oppartment of Commerce. Oregon Customs Oistrict includes all Oregon ports plus Longview and Vancouver, Washington. Washington Customs Oistrict includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Oppartment of Commerce records at the end of each quarter.

Table 30--Plywood exports from California,  $1972-83\frac{1}{}$  (In thousand square feet)

		NORTHERN	CALIFORNIA	SOUTHERN (	CALIFORNIA
YEAR AND QUARTER	TOTAL	SOFTWOOD, 3/8-INCH BASIS	HARDWOOD, SURFACE MEASURE	SOFTWOOD, 3/8-INCH BASIS	HARDWOOD, SURFACE MEASURE
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	15,429 16,562 18,177 19,619 19,696 9,198 6,036 5,934 9,054 9,054 9,349 1,419 2,173 2,209 1,663	6,633 8,186 4,985 7,874 10,085 5,148 2,833 1,638 1,414 2,424 547 917 774 788	668 698 305 542 92 646 899 871 849 487 69 205 556 534	5,941 4,358 7,978 6,311 4,681 1,818 964 1,946 3,546 2,830 391 533 457 176	2,187 3,320 4,909 4,892 5,111 1,586 1,340 1,479 3,245 3,608 412 518 422 165
1982 total	7,464	3,026	1,364	1,557	1,517
1983 1st quarter 2d quarter 3d quarter 4th quarter	1,356	524	58	195	579
1983 total					

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions which may have been made after this time are not shown.

 $\underline{1}$ /Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 31--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1978-83 (In thousand board feet, Scribner scale)

					1	982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	1ST QTR.	1ST QTR.	20 QTR.	30 QTR.	4TH QTR.	TOTAL
Western Washington:	1 007 549	1 222 540	1,114,024	1 224 060	1,066,085	324,795	333,610				
U.S. Forest Service <sup>1</sup> U.S. Bur. Indian Affairs	66,923	1,222,548	6,927	13,460	2,535	0	839				
State of Washington <sup>2</sup>		1,150,935	503,565	368,885	601,935	251,475	152,160				
Total	1,339,675	2,396,365	1,624,516	1,607,014	1,670,555	576,270	486,609				
Eastern Washington: U.S. Forest Service <sup>1</sup>	382,902	420,819	428,631	389,029	322,315	40,196	80,772				
U.S. Bur. Land Manage.	54	2,645	1,798	3,898	3,025	0	0				
U.S. 8ur. Indian Affairs State of Washington <sup>2</sup>	157,396 30,385	140,247 125,505	211,205 80,345	53,795 53,710	44,583 89,620	34,360 18,175	2,689 12,410				
- Total	570,737	689,216	721,979	500,432	459,543	92,731	95,871				
Western Oregon:											
U.S. Forest Servicel		2,441,324			2,418,057	656,082	906,967				
U.S. 8ur. Land Manage. U.S. 8ur. Indian Affairs <sup>3</sup>	1,110,451	889,797	1,150,026	1,030,627	1,214,330	266,612 0	217,953				
State of Oregon	210,353	219,378	238,931	135,461	301,947	45,449	26,091				
Total	3,563,159	3,550,499	4,032,673	3,548,331	3,934,334	968,143	1,151,011				
Eastern Oregon: U.S. Forest Service <sup>1</sup>	1 115 280	1,271,677	1.168.327	1,294,928	1,164,264	275,080	356,626				
U.S. 8ur. Land Manage.	12,152	6,525	2,301	17,864	15,197	0	0				
U.S. 8ur. Indian Affairs State of Oregon	152,320 8,379	15,439 7,499	25,480 5,992	55,032 1,040	89,438 13,350	84,681 6,724	0				
- Total	1,288,131	1,301,140	1,202,100	1,368,864	1,282,249	366,485	356,626				
	-,,					,					
All public lands: U.S. Forest Service <sup>1</sup>	4,838,134	5,356,368	5,354,698	5,287,829	4,970,721	1,296,153	1,677,975				
U.S. Bur. Land Manage.	1,122,657	898,967	1,154,125	1,052,381	1,232,552	266,612	217,953				
U.S. Bur. Indian Affairs <sup>3</sup> State of Washington <sup>2</sup>	376,639 205,540	178,568 1,276,440	243,612 583,910	125,627 422,595	136,556 691,555	119,041 269,650	3,528 164,570				
State of Oregon	218,732	226,877	244,923	136,501	315,297	52,173	26,091				
- Total	6,761,702	7,937,220	7,581,268	7,024,941	7,346,691	2,003,629	2,090,117				

 $<sup>{}^{1}\</sup>text{Convertible products only.}$ 

<sup>&</sup>lt;sup>2</sup>Excludes sales under \$2,000.

<sup>&</sup>lt;sup>3</sup>Siletz Reservation formed 1980.

Table 32--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1978-83 (In dollars per thousand board feet)

					19	82			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	1ST QTR.	1ST QTR.	20 QTR.	3D QTR.	4TH QTR.	AVERAG
Western Washington:											
U.S. Forest Service <sup>1</sup>	129.57	224.68	208.06	180.57	61.48	72.17	61.38				
U.S. Bur. Indian Affairs	120.34	264.95	182.32	129.09	128.64		90.73				
State of Washington <sup>2</sup>	231.31	332.10	304.71	208.95	146.88	177.09	152.17				
Average	142.84	276.66	237.91	186.65	92.35	117.95	90.02				
astern Washington:											
U.S. Forest Service <sup>1</sup>	186.69	104.68	90.92	77.57	30.61	50.89	50.07				
U.S. Bur. Land Manage.	123.48	16.80	21.25	105.60	43.64	43.64	 				
U.S. 8ur. Indian Affairs State of Washington <sup>2</sup>	165.37 162.13	212.01 210.79	162.32 207.67	173.78 198.94	191.17 115.52	230.10 195.41	61.71 75.46				
State of washington-	102.13	210.79	207.07	190.94	113.34	195.41	/3.40				
Average	179.49	145.50	124.63	101.15	62.83	145.62	53.68				
lestern Oregon:											
U.S. Forest Service <sup>1</sup>	210.96	332.09	354.60	276.36	92.44	119.23	138.74				
U.S. Bur. Land Manage.	196.36	292.59	323.63	246.68	89.40	113.55	130.89				
J.S. 8ur. Indian Affairs <sup>3</sup>			220 05	365.16							
State of Oregon	226.23	314.93	332.25	262.31	117.52	128.37	144.12				
Average	207.31	321.13	344.44	269.30	93.43	118.09	143.52				
astern Oregon:											
J.S. Forest Service <sup>1</sup>	171.04	169.55	130.22	144.49	77.28	83.61	89.52				
U.S. Bur. Land Manage.	206.17	103.25	118.72	84.31	62.45						
U.S. 8ur. Indian Affairs	113.72	196.29	266.61	112.47	82.85	82.60					
State of Oregon	134.91	229.38	186.29	16.00	111.66	110.22					
Average	164.36	169.88	133.37	142.32	56.33	83.86	89.52				
ll public lands:											
U.S. Forest Service <sup>1</sup>	181.49	251.12	254.06	208.60	72.69	97.76	108.69				
U.S. Bur. Land Manage.	196.46	290.41	322.75	243.40	88.96	113.55	130.89				
U.S. 8ur. Indian Affairs <sup>3</sup>	136.48	217.43	173.80	147.23	119.07	125.17	68.61				
State of Washington <sup>2</sup>	221.08	320.17	291.35	207.68	142.82	178.32	146.38				
State of Oregon	222.73	312.10	328.68	260.43	114.27	126.03	144.12				
Average	184.01	267.66	267.21	213.67	84.80	113.06	117.73				

lPrices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

<sup>2</sup>Excludes sales under \$2,000.

 $^3\mathrm{Siletz}$  Reservation formed 1980.

Table 33--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1972-83<sup>1</sup> (In dollars per thousand board feet)

ALL SPECIES		53.20 102.80 142.40	101.60	153.80	285.50	109.20 69.30 59.20 96.40	80.20	122.60	
OTHER TRUE FIRS		33.00	45.10 55.00	85.10 99.10	167.90 103.80	70.38 31.20 24.80 43.40	40.00	57.10	
NOBLE FIR ANO SHASTA REO FIR		100.20 81.40	117.70	128.90 122.50 211.30	241.80 147.30	48.60 50.30 16.30 16.00	28.40	39,50	
LARCH		13.50	20.30	62.10 56.40	43.60	18.50 58.30 15.30 15.90	37.50	31.60	
CEOARS <sup>2</sup>		67.50	119.20	149.60	301.00 301.00 168.70	101.90 106.80 72.90 142.20	101.90	51.00	
WESTERN HEMLOCK		99.20	68.50 78.10	89.20	197.10 208.00 162.00	48.90 33.20 37.80 69.00	44.60	52.60	
SITKA SPRUCE		28.00	75.90 83.10	103.00	30 <b>6.5</b> 0 238.00	86.30 93.10 25.50 41.70	49.50	25.90	
ENGELMANN SPRUCE		27.20	13.70	36.50 85.40	51.60 34.20 15.00	6.00 18.40 21.90 8.50	19.50	22.10	
LOOGEPOLE		10.60	75.70 15.40 40.20	35.40	47.10 44.60 36.60	33.30 15.50 9.50 17.20	17.40	18.90	
WHITE		35.80	121.00 84.40 116.00	142.70	181.90 102.80 100.60	105.60 29.00 41.30 54.40	17.40	24.80	
SUGAR		26.00	139.10 109.90 118.90	162.80	267.30 167.00 174.50	84.20 32.60 95.10 107.70	50.00	64.00	
PONOEROSA ANO JEFFREY PINES	2	38.40	110.60 43.10 79.40	138.40	238.00 190.80 206.40	110.00 78.60 54.60 73.10	83.60	132.70	
-FIR EAST SIDE	1010	15.60	34.30 38.50	71.20	81.70 70.80 94.00	59.20 36.10 27.80 29.30	78.60	31.70	
DOUGLAS-FIR	200	71.70	202.40 169.50 176.20	225.90 250.31	394.30 432.20 350.20	152.10 97.60 91.70 134.30	35.80	180.50	
YEAR AND OUARTER	A CONTEN	1972 1973	19/4 1975 1976	1977	1979 1980 1981	1982 1st quarter 2d quarter 3d quarter 4th quarter	1982 average	1983 1st quarter 2d quarter 3d quarter 4th quarter	1983 average

Source--Forest Service, U.S. Oepartment of Agriculture. Pacific Northwest Region includes Oregon and Washington.

1Prices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Includes Port-Orford-cedar.

Table 34--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$ / (Yolume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

NATIONAL		DOUGLA	S-FIR		PONDERO JEFFREY		WEST HEML		TRUE	FIRS <sup>3</sup>	ALL SPE	CIES
FOREST		SIOE	EAST									
	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	YOLUME	VALU
Western Oregon: Mount Hood 1st qtr 2d qtr. 3d qtr. 4th qtr.	96,955	207.60	4,120	27.70	1,480	17.28	42,635	73.30	210	7.37	190,449	126.5
Total and average		-						*****				
Rogue River 1st qtr. 2d qtr. 3d qtr. 4th qtr.	24,750	204.44	0		3,850	70.71	110	14.13	10,570	164.63	48,810	157.1
Total and average												
Siskiyou 1st qtr. 2d qtr. 3d qtr. 4th qtr.	33,305	205.84	0		110	45.98	1,460	8.92	200	11.92	40,870	182.9
Total and average												
Siuslaw lst qtr. 2d qtr. 3d qtr. 4th qtr.	118,891	168.04	0		0		14,160	84.68	0		150,423	145.39
Total and average						·						
Umpqua 1st qtr. 2d qtr. 3d qtr. 4th qtr.	123,411	221.48	0		0		5,900	19.97	12,600	10.44	167,911	168.46
Total and average												
Willamette 1st qtr. 2d qtr. 3d qtr. 4th qtr.	179,580	193.90	0		500	34.13	30,760	13.10	8,660	19.68	301,018	119.98
Total and average												
All western Oregon: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	576,892	197.91	4,120	27.70	5,940	53.09	95,025	51.14	32,240	63.46	899,481	139.71
Total and average												
Western Washington: Gifford Pinchot 1st qtr. 2d qtr. 3d qtr. 4th qtr.	45,050	166.43	0		0		17,800	90.65	24,315	92.27	101,545	112.84
Total and average												
Mount Baker-Snoqualmie- lst qtr. 2d qtr. 3d qtr. 4th qtr.	9,370	104.91	0		0		30,893.	52.63	11,200	86.55	70,810	57.24
Total and average												
Olympic lst qtr. 2d qtr. 3d qtr. 4th qtr.	46,930	26.79	0		0		79,970	43.98	0		155,480	34.12

Table 34--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$  (continued) (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

All western Washington: lst qtr. 101 2d qtr. 3d qtr. 4th qtr.  Total and average  All western Oregon and western Washington: lst qtr. 678 2d qtr. 3d qtr. 4th qtr.  Total and average  Eastern Oregon: Oeschutes- lst qtr.	WEST VOLUME ,350	94.01	VOLUME 0	VALUE	VOLUME 0	VALUE	VOLUME	VALUE	VOLUME	FIKS <sup>3</sup> VALUE	ALL SPE	
All western Washington: lst qtr. 101 2d qtr. 3d qtr. 4th qtr.  Total and average  All western Oregon and western Washington: lst qtr. 678 2d qtr. 3d qtr. 4th qtr.  Total and average  Eastern Oregon: Oeschutes lst qtr.	,350	94.01								VALUE	VOLUME	VALU
lst qtr. 101 2d qtr. 3d qtr. 4th qtr.  Total and average  All western Oregon and western Washington: 1st qtr. 678 2d qtr. 3d qtr. 4th qtr.  Total and average  Eastern Oregon: 0eschutes 1st qtr.			0		0		128,663	50.5:				
All western Oregon and western Washington: lst qtr. 678 2d qtr. 3d qtr. 4th qtr.  Total and average Eastern Oregon: Oeschutes lst qtr.	3,242	102.20	·					52.5ì	35,515	90.46	327,835	63.50
and western Washington: 1st qtr. 678 2d qtr. 3d qtr. 4th qtr.  Total and average Eastern Oregon: 0eschutes 1st qtr.	,242	102.20										
Eastern Oregon: Oeschutes 1st qtr.		182.39	4,120	27.70	5,940	53.09	223,688	51.93	67,755	77.92	1,227,316	119.36
Oeschutes lst qtr.												
2d qtr. 3d qtr. 4th qtr.	0		0		28,160	144.71	0		130	3.68	40,710	104.32
Total and average												
Fremont 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		0		12,290	67.24	O		3,750	11.24	25,455	45.33
Total and average												
Malheur 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		5,815	11.71	62,330	117.01	0		4,635	2.58	75,845	99.45
Total and average												
Ochoco lst qtr. 2d qtr. 3d qtr. 4th qtr.	0		2,400	16.29	44,170	77.54	0		0		46,570	74.38
Total and average												
Umatilla lst qtr. 2d qtr. 3d qtr. 4th qtr.	0		7,000	27.90	6,000	120.39	U		13,500	19.39	40,770	29.23
Total and average												
Wallowa-Whitman lst qtr. 2d qtr. 3d qtr. 4th qtr.	0		12,405	19.60	14,340	62.81	0		12,700	18.91	61,545	24.53
Total and average								· · · · · · · · · · · · · · · · · · ·				
Winema 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0	••	800	6.41	48,600	247.80	0		10,900	62.57	66,000	195.24
Total and average												
All eastern Oregon: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		28,420	19.38	215,890	135.54	0		45,615	27.15	356,895	89.67

Table 34--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$  (continued) (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

NATIONAL		DOUGLA	S-FIR			DSA AND Y PINES	WE ST HEML		TRUE (	TUC3	ALL SPE	CIES
OREST	WEST	SIDE	EAST	SIDE	ULITAL	FINES	HERE	.000		11/2	WEL SEE	UIE3
	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALU
Castern Washington: Colville 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		77	80.89	700	24.04	176	50.25	2,300	12.95	30,600	20.2
Total and average												
Okanogan 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		20,300	27.56	9,200	141.17	0		0		31,300	61.0
Total and average												
Wenatchee 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		5,260	127.60	2,100	68.18	2,140	19.13	5,010	114.81	6,720	86.6
Total and average												
All eastern Washington 1st qtr. 2d qtr. 3d qtr. 4th qtr.	: 0		25,637	48.24	12,000	121.56	2,316	21.49	7,310	82.76	78,620	50.6
Total and average									<del></del>			
All eastern Oregon und eastern Washington: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0	••	54,057	33.08	227,890	134.80	2,316	21.49	52,925	34.84	435,515	82.6
Total and average												
acific Northwest Region: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	678,242	182.39	58,177	32.69	233,830	132.73	226,004	51.62	120,680	58.85	1,662,831	109.7
Total and average						1-51						
NI of Oregon: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	576,892	197.91	32,540	20.43	221,830	133.33	95,025	51.14	77,855	42.19	1,256,376	125.5
Total and average												
All of Washington: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	101,350	94.01	25,637	48.24	12,000	121.56	130,979	51.96	42,825	89.15	406,455	61.0
-												

Source--U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

## 1/Preliminary.

2/Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

 $<sup>^{\</sup>rm 3}$  Does not include noble fir or Shasta red fir.

Table 35--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1978-83

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					19	1982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	1ST QTR.	1ST QTR.	2D QTR.	3D QTR.	4TH QTR.	TOTAL
Montana: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana	533,161 4,576 6,880 25,036	512,023 9,148 37,468 28,110	579,943 11,079 25,405 24,662	536,133 9,061 24,693 28,853	547,509 6,265 17,198 25,417R	62,399 589 2,440 5,793	123,057 75 453 5,481				
Total	569,653	586,749	642,089	598,740	596,442	71,221	129,066				
Idaho: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Idaho	836,629 27,656 8,491 120,261	843,992 778 1,609 179,307	828,507 19,283 2,381 222,137	741,147 33,221 14,484 14,820	687,320 11,538 7,070 38,727	172,582 520 0 2,316	131,481 238 0 22,012				
Total	993,039	1,025,686	1,072,308	803,672	744,655	175,418	153,731				
All public lands: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana State of Idaho	1,369,790 32,232 15,371 25,036 120,261	1,356,015 9,926 39,077 28,110 179,307	1,408,450 30,362 27,786 24,662 222,137	1,277,280 42,282 39,177 28,853 14,820	1,234,829 17,803 24,268 25,470 38,727	234,981 1,109 2,440 5,793 2,316	254,538 313 453 5,481 22,012				
Total	1,562,690	1,612,435	1,713,397	1,402,412	1,341,097	246,639	282,797				

 ${\color{blue}1}{\color{blue}Convertible products only.}$ 

2Does not include cull log sales.

R = revised.

Table 36--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1978-83 (In dollars per thousand board feet)

AGENCY 1978 Montana:											
	78	1979	1980	1981	AVERAGE	1ST QTR.	1ST QTR.	20 QTR.	3D QTR.	4TH QTR.	AVERAGE
e.2 airs	62.12 50.25 35.78 .04.76	59.66 41.99 114.61 114.36	43.31 60.39 104.81 79.44	57.46 39.52 65.05 99.28	29.80 32.17 73.50 81.39	43.12 3.40 74.20 73.30	34.73 7.93 17.56 62.74				
Average 63.	63.58	65.52	47.43	59.52	33.28	.46.31R	35.84				
Idaho: U.S. Forest Service <sup>1</sup> 52.10 U.S. Bur. Land Manage. <sup>2</sup> 83.46 U.S. Bur. Indian Affairs 67.51 State of Idaho	.10 .46 .51	63.56 63.70 119.89 102.23	40.74 47.09 129.09 92.21	43.27 55.45 83.15 101.83	28.28 26.71 78.79 45.28	30.15 31.51  76.72	54.29 9.34 				
Average 62.92	.92	70.41	51.71	44.88	29.62	30.77	59.41				
All public lands: U.S. Forest Service <sup>1</sup> 56.00 U.S. Bur. Land Manage. <sup>2</sup> 78.75 U.S. Bur. Indian Affairs 53.31 State of Montana 104.76 State of Idaho	.00 .75 .31 .76	62.09 43.69 114.83 114.36	41.80 51.94 106.53 79.44 92.21	49.22 38.92 71.74 99.28 101.83	28.95 28.63 75.04 81.39 45.28	33.59 16.63 74.20 73.30 76.72	44.83 9.00 17.56 62.74 90.53				
Average 63.16	.16	68.63	50.11	51.13	31.25	35.26	48.65				

1prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpaye on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Does not include cull log prices.

R = revised.

Table 37--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1972-83<sup>1</sup> (In dollars per thousand board feet)

YEAR AND QUARTER	DOUGLAS- FIR	PONDEROSA	WESTERN WHITE PINE	LODGEPOLE	ENGELMANN SPRUCE	WESTERN HEMLOCK	CEDARS	LARCH	TRUE FIRS	ALL SPECIES
1972 1973 1974 1975 1976 1977 1980 1981 1983 1st quarter 1st quarter 4th quarter 3d quarter 3d quarter 1983 average	26.70 31.90 14.40 23.00 41.20 44.20 26.60 38.30	35.50 66.50 63.50 22.40 22.40 56.80 96.60 113.50 112.70 74.20 48.10 63.90	30.30 65.90 117.80 36.20 91.40 122.70 146.00 185.60 80.10 149.70 81.40	16.50 38.30 19.40 19.20 16.70 38.30 44.70 34.40 42.70 54.50 34.60	27.00 65.80 39.10 10.90 42.20 61.40 85.80 75.90 44.10 63.00 27.20	12.90 42.60 28.90 2.00 9.60 11.90 42.50 62.10 171.80 61.40 71.10	28.50 45.20 26.50 42.50 42.50 117.20 123.20 95.60 60.90	34.30 66.30 38.90 20.30 72.20 69.60 91.40 73.80 67.20 67.20 64.00	19.20 46.10 29.20 4.80 9.30 20.20 37.30 43.90 30.10 78.40 37.70	26.50 53.30 44.70 18.30 35.40 53.20 64.80 70.90 53.40 63.90 48.12
										The second secon

Source--Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). 1 Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix,

Table 38--Volume of timber sold on publicly owned or managed lands in Alaska, 1978-83

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						1982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	TOTAL 1ST QTR.	1ST QTR.	2D QTR.	3D QTR.	4TH QTR.	TOTAL
U.S. Forest Service <sup>1</sup>	175,140	93,733	145,285	163,700	71,429	10,592	978				
U.S. Bur. Land Manage. <sup>2</sup>	142	22	125	32	1,270	0	0				
U.S. Bur. Indian Affairs	440	258,360	12,794	200	7,680	7,680	0				
State of Alaska	6,932	156,235	4,949	18,402	24,154	11,514	3,900				
Total	182,654	508,350	163,153	182,334	104,533	29,786R	4,878				

1Convertible products only.

 $\ensuremath{\text{2}\text{Does}}$  not include cull log sales or volume given away through free use permits.

R = revised.

Table 39--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1978-83

(In dollars per thousand board feet)

					15	1982			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	AVERAGE 1ST QTR.	1ST UTR.	Zu QTR.	3D QTR.	4TH UTR. AVERAGE	AVERAGE
U.S. Forest Service <sup>1</sup>	51.73	159.71	101.72	46.91	32.03	11.70	17.24				
U.S. Bur. Land Manage. <sup>2</sup>	94.72	34.09	00.9	34.00	28.08	1	1				
U.S. Bur. Indian Affairs	80.00	5.31	151.83	2.00	122.40	122.40R	1				
State of Alaska	26.60	3.22	24.63	19.21	18.23	18.31R	17.06				
Average	50.88	33.14	103.24	44.06	35.43	35.43 42.80	17.09				

Source--respective agencies listed. Includes products other than sawtimber.

lprices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2boes not include cull log sales or volume given away through free use permits.

R = revised.

Table 40--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1972-831

(In dollars per thousand board feet)

YEAR AND QUARTER	SITKA SPRUCE	WESTERN HEMLOCK	CEDAR AND OTHER SOFTWOODS	ALL SPECIES
1972	7.30	7.90	1.00	7.60
1973	13.30	11.50	21.10	12.50
1974	41.80	22.30	41.70	28.80
1975	33.00	18.10	60.70	23.20
1976	25.10	12.00	67.30	28.00
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982				
1st quarter	30.10	6.20	1.60	10.60
2d quarter	34.90	6.40	27.10	30.80
3d quarter	128.20	23.60	71.80	47.40
4th quarter	66.30	6.70	3.90	22.80
1982 average	39.00	14.50	35.70	32.40
1983				
1st quarter 2d quarter 3d quarter 4th quarter	24.50	7.70	13.80	17.10
1983 average				

Source--Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

1Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

Table 41--Volume of timber sold on publicly owned or managed lands in California, 1978-83 (In thousand board feet, Scribner scale)

					1982	2			1983		
AGENCY	1978	1979	1980	1981	TOTAL	1ST QTR.	1ST QTR.	20 QTR.	3D QTR.	4TH QTR.	TOTAL
U.S. Forest Service <sup>1</sup>	2,001,607	2,071,263	2,001,607 2,071,263 1,875,796 1,899,263	1,899,263	1,617,664	204,899	437,956				
U.S. Bur. Land Manage. <sup>2</sup>	13,107	4,195	17,203	14,471	33,368	1,222	513				
U.S. Bur. Indian Affairs	37,200	33,729	22,230	11,000	63,595	0	0				
State of California	27,333	21,833	30,328	10,480	34,726	3,313	17,342				
Total	2,079,247	2,131,020	1,945,557	1,935,214	2,079,247 2,131,020 1,945,557 1,935,214 1,749,353	209,434	455,811				

1Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

<sup>2</sup>Does not include cull log sales or volume given away through free use permits.

Table 42--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1978-83

(In dollars per thousand board feet)

					19	1982			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	1ST QTR.	1ST QTR.	1ST QTR. 20 QTR. 3D QTR.	3D QTR.	4ТН QTR.	AVERAGE
U.S. Forest Service <sup>1</sup>	145.57	201.08	241.39	149.78	53.87	65.62	83.83				
U.S. Bur. Land Manage. <sup>2</sup>	96.39	102.59	173.25	84.26	47.05	29.42	83.84				
U.S. Bur. Indian Affairs	125.34	157.70	158.28	224.73	153.90	;	;				
State of California	273.35	370.76	283.94	190.57	133.93	51.89	247.97				
Average	146.58	201.94	240.51	180.70	58.97	65.10	90.04				

Source--respective agencies listed.

Iprices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Does not include cull log sales or volume given away through free use permits.

Table 43--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region,  $1972-83^1$ 

(In dollars per thousand board feet)

		PONDEROSA AND					
YEAR AND	DOUGLAS-	JEFFREY	SUGAR	LODGEPOLE		TRUE	ALL
QUARTER	FIR	PINES	PINE	PINE	CEDARS	FIRS	SPECIES
1972	40.70	65.80	66.60	5.40	50.10	30.20	47.40
1973	84.80	108.60	89.30	12.40	86.40	70.20	83.10
1974	87.00	101.40	104.00	6.50	112.00	41.70	81.80
1975	51.40	71.00	99.00	22.40	79.90	19.70	53.80
1976	76.00	101.80	185.00	6.50	84.00	23.40	80.40
1977	124.30	131.40	168.50	165.20	337.90	50.60	121.10
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1982							
1st quarter	55.30	93.80	79.30	33.90	303.00	36.10	66.80
2d quarter	43.20	66.20	55.50	22.60	106.90	43.10	55.30
3d quarter	55.70	58.10	78.20	27.40	62.30	24.90	50.00
4th quarter	44.60	70.90	45.00	17.60	49.40	47.10	54.20
1982 average	50.00	66.90	72.00	27.80	70.30R	36.30	54.50
1983							
1st quarter 2d quarter 3d quarter 4th quarter	75.70	84.60	149.30	37.80	109.60	72.20	85.10

Source--Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

1Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

R = revised.

Table 44--Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1972-821

(In million board feet, Scribner log scale)

YEAR	ALLOWABLE CUT <sup>2</sup>	UNCUT VOLUME UNDER CONTRACT	RATIO
1972	1,249	1,665	1.3
1973	1,196	1,390	1.2
1974	1,196	1,503	1.3
1975	1,196	1,838	1.5
1976	1,196	2,077	1.7
1977	1,183	2,066	1.7
1978	1,183	2,204	1.9
1979	1,133	2,224	2.0
1980	1,134	2,484	2.2
1981	1,120	2,608	2.3
1982	1,120	3,491	3.1

Source--Bureau of Land Management.

 $<sup>^{1}</sup>$ As of December 31 of each year.

 $<sup>^2</sup>$ Includes an estimated 17.5 million board feet for eastern Oregon.

	COL	VILLE1	OESC	HUTES	FRE	MONT	GIFFORG	PINCHOT	MAL	HEUR		BAKER- ALMIE <sup>2</sup>	MOUNT	Н000
YEAR ANO QUARTER	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1972	0		0		0		23	84,440	0		0		0	
1973	0		0	no no	2	25,600	12	18,740	0		0		0	
1974	4	30,100	0		4	46,300	33	172,615	1	650	8	26,860	11	63,527
1975	4	13,855	0		5	66,920	18	147,050	2	2,135	8	56,320	17	66,390
1976	1	2,263	0		1	15,200	7	68,250	0		2	8,350	4	10,658
1977	3	13,800	7	63,290	8	69,000	13	192,500	0		10	70,450	15	76,379
1978	4	43,500	0		1	357	15	161,500	0		0		20	83,836
1979	5	42,760	4	2,150	11	79,460	0		0		19	11,575	34	86,586
1980	2	20,400	3	2,032	6	44,360	16	113,140	0		18	6,763	44	26,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982 1983	10	38,460	9	9,580	8	13,440	18	30,920	0		12	4,400	31	16,246
1st qtr. 2d qtr. 3d qtr. 4th qtr.	1	400	0		2	8,900	2	10,020	1	545	3	8,470	4	1,230

1983 total

	001	1000	OKA	NOGAN	OLY	MP1C	ROGUE	RIVER	SIS	KIYOU	SIU	SLAW	UMA	TILLA
YEAR ANO QUARTER	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	0 0 3 3 0 5 3 1 5	39,550 19,270  34,300 23,500 7,700 35,000 1,100	0 0 3 2 2 1 0 7 2 2 3	19,000 21,000 9,300 11,500  20,105 10,600 13,100 15,750	8 22 12 8 5 2 6 12 12 6 4	32,897 92,199 78,990 53,842 45,579 30,926 44,615 106,105 69,100 58,500 1,860	0 0 28 24 18 25 47 50 31 54	98,752 143,665 46,254 100,807 171,251 118,818 123,125 168,580 85,272	0 17 12 22 7 14 13 2 7 24 33	94,680 52,775 59,331 22,335 58,980 62,300 270 29,510 78,733 45,719	8 14 34 26 17 17 39 16 7	26,356 72,701 174,471 201,478 118,763 91,027 231,303 120,834 45,137 201,038 94,808	11 5 11 5 6 7 0 4 3 7	198,116 22,400 74,710 28,620 23,110 31,100  35,500 18,200 36,936 150
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		0		1	140	2	990	4	25,440	6	904	2	5,400

1983 total

	UMF	PQUA	WALLOWA	-WHITMAN	WENA	TCHEE	W1LL	.AMETTE	W1	NEMA	ALL	FORESTS
YEAR ANO QUARTER	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1972	0		0		0		0		0		50	341,809
1973	0		8	77,400	0		7	58,510	5	22,460	92	484,690
1974	22	124,807	Ö		0		7	61,520	5	35,550	195	1,060,627
1975	29	146,668	0		2	17,400	10	137,810	9	69,600	194	1,271,634
1976	21	55,093	0		0		19	121,100	5	38,040	118	603,565
1977	29	128,705	0		0		48	174,585	8	35,110	207	1,148,159
1978	29	125,330	0		0		33	177,660	13	60,006	225	1,195,958
1979	35	169,212	0		5	23,100	53	146,366	6	59,050	266	1,045,391
1980	31	166,650	7	1,799	4	18,000	83	197,229	4	30,400	281	930,670
1981	49	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982 1983	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1st qtr. 2d qtr. 3d qtr. 4th qtr.	5	1,730	0		2	10,500	15	10,838	0		50	85,507

1983 total

Source--Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

 $^1\mathrm{July}$  1, 1974, Colville National Forest in Washington became part of the Pacific Northwest Region.

<sup>2</sup>July 1, 1974, Snoqualmie National Forest was merged with the Mount Baker National Forest.

Ruderman, Florence K. Production, prices, employment, and trade in Northwest forest industries, first quarter 1983. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1983. 54 p.

Provides current information on lumber and plywood production and prices, employment in the forest industries, international trade in logs, lumber, and plywood, volume and average prices of stumpage sold by public agencies, and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), import/export (forest products), markets (external), economics (forestry business).

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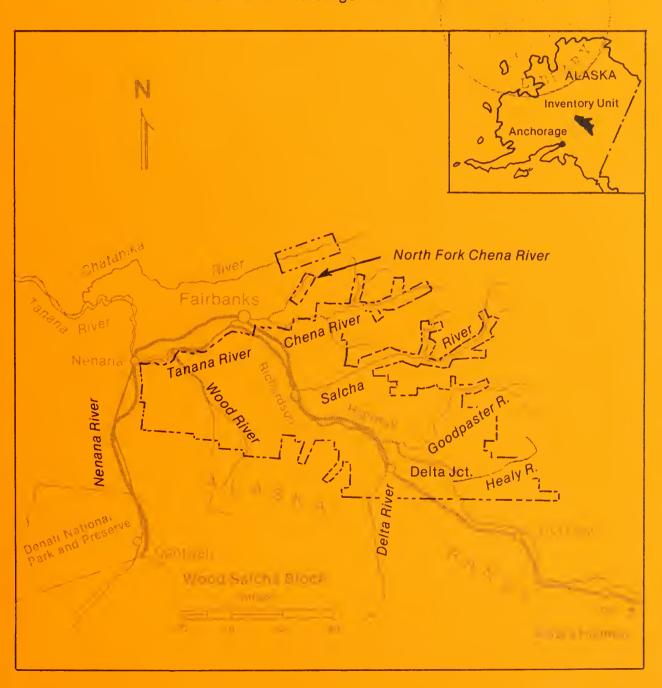
Pacific Northwest Forest and Range Experiment Station

Resource Bulletin PNW-107 October 1983



# Timber Resource Statistics for the Wood-Salcha Block, Tanana Inventory Unit, Alaska, 1975

Kenneth C. Winterberger



#### Abstract

Winterberger, Kenneth C. Timber resource statistics for the Wood-Salcha block, Tanana inventory unit, Alaska, 1975.
Resour. Bull. PNW-107. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1983. 34 p.

This statistical report on timber resources of the 4.1-million-acre Wood-Salcha block is the last of four reports on the 14-million-acre Tanana Valley inventory unit. Tables are provided for commercial and operable noncommercial forest land, total gross and net volumes, and annual net growth and mortality. Estimates for commercial forest land total 626,300 acres with 799,374,800 net cubic feet of growing stock volume. Estimates for the special operable noncommercial class total 94,400 acres with 117,812,500 net cubic feet of growing stock volume.

Keywords: Forest surveys, timber inventory, timber resources, resources (forest), statistics (forest), Alaska (Tanana Valley).

## Summary

This report on the timber resources of the 4.1-million-acre Wood-Salcha block is the last of four on the 14-million-acre Tanana Valley inventory unit. The block is located to the south and east of Fairbanks, Alaska; its southern boundary lies just north of the Alaska Range. Statistics for the Fairbanks block are reported in Resource Bulletin PNW-59, for the Kantishna block in Resource Bulletin PNW-95, and for the Upper Tanana block in Resource Bulletin PNW-100.

Inventory fieldwork in the Wood-Salcha block was completed in 1975 through the cooperative efforts of the U.S. Department of the Interior, Bureau of Land Management; the U.S. Army; and the State of Alaska, Department of Natural Resources, Division of Lands. Estimates for forest area total 3,408,900 acres with 626,300 acres of commercial forest land and 94,400 acres in a special noncommercial class having a gross volume of 800 cubic feet or more per acre. Estimated net growing stock volume in these two forest land classes is 799,374,800 and 117,812,500 cubic feet, respectively. Although nearly 65 percent of the commercial forest land area is classed as hardwood types, the volume of softwood species makes up more than 50 percent of the total cubic-foot volume and nearly 90 percent of the board foot volume.

The inventory of the Wood-Salcha block was completed in 1975. Since then, land has been cleared for the Delta Agricultural Project, and several large fires have burned within the area. Statistics in this report do not account for either the acreage lost from the forest land base to agricultural conversion or the timber volume lost to fire or conversion.

Statistics for land ownership are not included in this report because of continuing uncertainty about land status changes associated with Alaska native and State of Alaska land selections and wilderness area withdrawals. These land status changes are the result of Federal legislation: the Alaska Statehood Act of 1958, public Law 85-508; the Alaska Native Claims Settlement Act of 1971, Public Law 92-203; and the Alaska National Interest Lands Conservation Act, Public Law 96-487. A resource analysis, with statistics on ownership, will be published in the future when the status of land shifts is more clear.

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Highlights				Thousand acres	Thousand hectares
	makal Ward Orlaha ki	l = = 1= - = - = - = -		4 000 0	
	Total Wood-Salcha bl With forests	lock area:		4,090.9	
	With nonforest			3,408.9	
	With non-Census wa	+		554.9 49.7	
	With Census water	iter		77.4	31.3
	with Census water			//.4	31.3
	Forested area:				
	Commercial forest	land		626.3	253.5
	Noncommercial fore	est land			
	800 cubic feet o	or more per	acre	94.4	38.2
	less than 800 cu	bic feet pe	er acre	2,688.2	1 087.9
	Communical Communication	:			
	Commercial forest co	omposition:		160 4	60 6
	Sawtimber			169.4	
	Poletimber			283.7	
	Seedlings and sapl	lings		173.2	70.1
	Nonstocked				-
	Commercial forest la	and type:			
	Black spruce			10.4	4.2
	White spruce			212.7	86.1
	Balsam poplar			19.4	7.9
	Quaking aspen			125.2	50.6
	Paper birch			258.6	104.7
	Nonstocked				
			_		_
		A1	-	Sawti	
		Growing	Stock	Growing	Stock
		Thousand	Thousand	Thousand	Thousand
		cubic	cubic	board	cubic
		feet <u>l</u> /	meters <u>l</u> /	feet2/	meters3/
	Volumes on commercia	al forest la	ınd:		
	Tobal grander	946 145 4	22 045 0	2 000 126 5	10 042 7
	Total gross volume				
	Total net volume				
	Annual net growth			64,069.2	

<sup>-- =</sup> no data.

Annual net mortality 1,685.1

47.7 4,254.9

27.7

 $<sup>\</sup>frac{1}{V}$  olume of roundwood in live trees 5.0-inch d.b.h. and larger.

<sup>2</sup>/Net volume, Internation 1/4-inch rule.

 $<sup>\</sup>frac{3}{\text{Volume}}$  of roundwood for softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

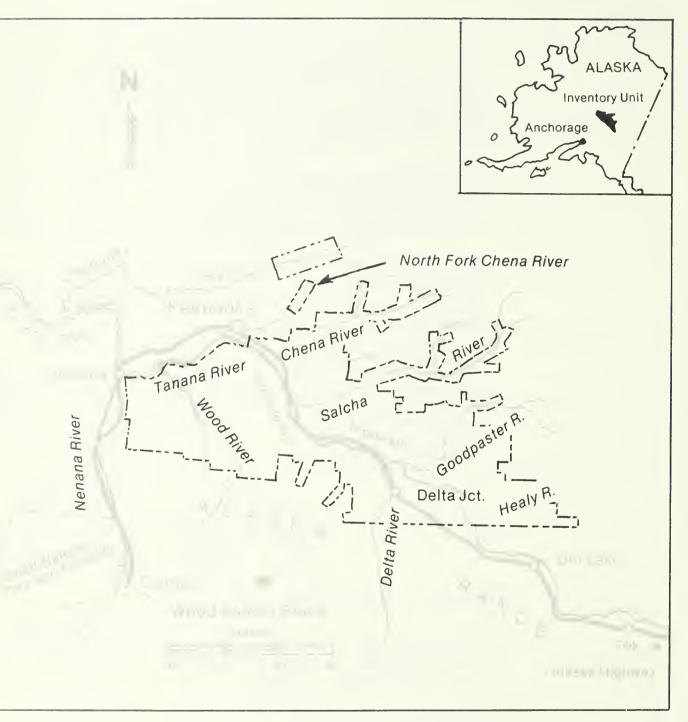


Figure 1.--The Wood-Salcha inventory block.

#### Introduction

Preparations for the Tanana forest inventory began in 1968 when a cooperatively funded contract was let for aerial photography of 11.3 million acres of the Tanana River valley, which, with 2.3 million acres previously photographed in the Fairbanks area, make up the 13.6-million-acre Tanana inventory unit. Cooperators were the Economic Development Administration (EDA), U.S. Department of Commerce; the Bureau of Indian Affairs (BIA) and Bureau of Land Management (BLM), U.S. Department of the Interior; and the Alaska Department of Natural Resources Division of Lands (DNR), State of Alaska. The intent was to inventory the valley as a unit, but poor flying weather and smoke haze slowed the photo project, so "blocks" within the Tanana unit were inventoried as photos became available.

This report, the last of four, is on the Wood-Salcha block, inventoried in 1975. Reports for the other three blocks of the Tanana inventory unit have been published: Fairbanks (Hegg 1975b), Kantishna (Hegg 1982), and Upper Tanana (Hegg 1983).

The statistics in this report on area, volume, growth, and mortality relate to the supply of wood available for local, regional, and national needs. These data are presented for the use of State planners, legislators, land and forest managers, forest industry, and other users of forest inventory data.

The Wood-Salcha block, located near Fairbanks, Alaska, is bounded on the south by the foothills of the Alaska Range, on the west by the Nenana River, and on the northwest by the Tanana River (fig. 1). The northeast boundary encompasses the timbered portions of the Chatanika and Chena River drainages not contained in the Fairbanks block. The eastern boundary encompasses the timbered portions of the drainages of Shaw Creek and the Salcha, Goodpaster, and Healy Rivers. Its southeast boundary lies adjacent to the Upper Tanana block near Dot Lake on the Alaska Highway.

Work on the Wood-Salcha block began in 1974 with photo interpretation of 15,403 one-acre photo points. Photo interpretation, ownership determination, and fieldwork preparation and completion were a cooperative effort of DNR, BLM, BIA, U.S. Army, and the Forestry Sciences Laboratory (Anchorage) of the Pacific Northwest Forest and Range Experiment Station. Supervision and editing of plot records were done by the Forestry Sciences Laboratory. Data processing was handled by the Pacific Northwest Forest and Range Experiment Station in Portland.

Forest Inventory and Analysis (FIA), 4/ authorized by the McSweeney-McNary Act in 1928 and extended to Alaska in 1954. is a nationwide effort conducted at various locations to obtain information on forest lands- their extent, condition, volume, growth, and depletion. The first inventories of interior Alaska were begun in 1956 and completed in 1962 (Hutchison 1967). These were extensive inventories, and subsequently, areas with concentrations of commercial forest land have been defined for more intensive measurements. where intensive inventories have been conducted and for which reports are available are: Susitna Valley (Hegg 1970); Norton Bay Indian Reservation; 5/ Koyukuk River (Hegg 1974); Copper River (Hegg 1975a); Tuxedni Bay (Hegg 1979); Kuskokwim River (Hegg and Sieverding 1980); and the Fairbanks (Hegg 1975b), Kantishna (Hegg 1982), and Upper Tanana (Hegg 1983) blocks of the Tanana unit.

# Inventory Procedures

The estimates of area and timber volumes are based on a double sampling procedure (Bickford 1952). Enough points to satisfy specific levels of statistical precision were systematically distributed over 1:15,840-scale aerial photographs of the Wood-Salcha block. A 1-acre photo plot surrounding each of these points was interpreted and classified by land type, forest type, and volume strata. A subsample was then drawn from all land types and reexamined on the photos. All points in the subsample that were originally classified as commercial forest land of a well as any other points questionably classified were visited on the ground.

For the Wood-Salcha block, we interpreted 15,403 photo points and reexamined 1,002 noncommercial and nonforest points. This reexamination was equivalent to a ground check and yielded 16 questionable points which, along with the 172 commercial forest and operable noncommercial points, totaled 188 locations actually checked on the ground. The ground plot was located at the exact point established on the photo. At each

<sup>4/</sup>Forest Inventory and Analysis was originally named Forest Survey. The name was officially changed in 1975 to Renewable Resources Evaluation; it was last changed in 1982.

<sup>5</sup>/Office report on file at the Bureau of Indian Affairs, Juneau, Alaska; 1973.

 $<sup>\</sup>underline{6}$ /For definition of this term and others, see the section "Terminology."

ground location a 10-point cluster of variable radius plots was measured.  $\frac{1}{2}$  A 40 basal-area factor gage was used to select sample trees at each point for detailed measurements of size and vigor.

Corrected area classifications and tree measurements made on these ground plots served as the basis for estimating the area and volumes presented in this report. The tables showing the estimates, however, depart from the standard FIA tables with the addition of a noncommercial forest category called "operable." During the initial inventory of interior Alaska, we found that much noncommercial forest land had a relatively high per-acre volume. When more intensive inventories were begun in the mid-1960's, we and our cooperators agreed that some of this noncommercial strata had potential value as a local commercial wood supply. By extrapolation, from cutting minimums of 3 cords per acre used in the Lake States and Canada, we established 9 cords or 800 cubic feet per acre as a prudent level for Alaska. This threefold increase in the minimum economic operating level should compensate for the higher production and shipping costs in Alaska.

The operable noncommercial areas presently have more than 800 gross cubic feet per acre in poletimber and sawtimber trees. The area and volume in this classification, although considered adequate for some cutting operations, should not be included in allowable cut computations. Future studies may show, through logging or other silvicultural practices, if these marginal sites can be managed as commercial forest land. None of the reported areas and volumes (whether classed as commercial or other) should be used in any calculation of an allowable cut without consideration of possible management and land use alternatives.

<sup>2/</sup>Study plan and field manual are on file at the Forestry Sciences Laboratory, 2221 E. Northern Lights Blvd., Anchorage, AK 99504.

# Reliability of Inventory Data

The reliability of the inventory data is expressed in terms of relative sampling errors at the 68-percent confidence level.

	Design sampling error	Sampling error achieved	Sampling error of total area or volume reported
		Percent-	
Area: Commercial forest land, per million			
acres Noncommercial forest land, per million	3.0	3.2	<u>+</u> 4.0
acres	10.0	5.0	<u>+</u> 3.0
Volume: Commercial forest land, per billion cubic feet Commercial forest land, gross growth	6.0	6.3	<u>+</u> 7.0
per billion cubic feet	5.0	1.0	<u>+</u> 9.0

For the Wood-Salcha block, we reported 799.4 million cubic feet of growing stock volume,  $\pm$  7.0 percent, yielding 68-percent confidence limits of 743.5 and 855.3 million cubic feet. A 68-percent confidence level means that if repeated samples are taken of this population, the total volume will lie between 743.5 and 855.3 million cubic feet 68 percent of the time. We slightly exceeded our design sampling error for both commercial forest land area (3.0 percent per million acres) and commercial forest land volume (6.0 percent per billion cubic feet). Sampling errors for most of the tabular data in this report are available on request.

# Terminology 8/

<u>Allowable cut</u>—The volume of timber that could be cut on commercial forest land during a given period under specified management plans for sustained production such as those in effect on National Forests.

Area condition class--Area condition class provides a general stratification of commercial forest land by management opportunity class as indicated by the stocking or area controlled by tree and cover class.

<u>Commercial species</u>—-Trees presently or prospectively suitable for industrial products.

<u>Cull</u>--Portions of a tree unusable for industrial products because of rot, form, or other defect.

<u>Cull trees</u>—Live trees of sawtimber or poletimber size unmerchantable for saw logs now or prospectively because of defect, rot, or species.

Rough trees--Live tees of 5.0-inch d.b.h. and larger that do not contain a saw log now or prospectively, primarily because of roughness, poor form, or because they are a non-commercial species.

Rotten trees--Live trees of 5.0-inch d.b.h. and larger that do not contain a saw log now or prospectively, primarily because of rot.

Forest land--Land at least 16.7 percent stocked by forest trees of any size, or formerly having such tree cover, and not currently developed for nonforest use.

Commercial forest land—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization. Areas qualifying as commercial forest land have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood under management.

Noncommercial forest land--Unproductive forest land incapable of yielding crops of industrial wood because of adverse site conditions (producing less than 20 cubic feet per acre per year) and productive forest land withdrawn from commercial timber use through statute or administrative regulation.

 $<sup>\</sup>frac{8}{}$  Terminology and definitions are from the USDA Forest Service Handbook, Title 4813.1, 1967, unless otherwise noted.

Noncommercial operable -- noncommercial forest land with a gross volume of 800 cubic feet or more per acre.

Noncommercial inoperable--noncommercial forest land with a gross volume of less than 800 cubic feet per acre.

Forest type--A classification of forest land based on the species forming a plurality of the live tree stocking.

Black spruce—Forests in which a plurality of the stand is black spruce. Black spruce most often occurs in nearly pure stands but can be found mixed with tamarack, white spruce, paper birch, and aspen. Black spruce is fairly characteristic of poorer quality forest land.

White spruce—Forests in which a plurality of the stand is white spruce. Common associates include paper birch and balsam poplar, and occasionally black spruce or quaking aspen.

<u>Tamarack</u>—Forests in which a plurality of the stand is tamarack. Tamarack rarely occurs as a pure type; it is more often an associated species in the black spruce type.

Balsam poplar--Forests in which a plurality of the stand is balsam poplar. Balsam poplar is usually found in nearly pure stands; occasional associates are white spruce or paper birch. As the poplar ages it is ually replaced by white spruce. South of Alaska Range balsam poplar may be replaced by black cottonwood or hybrids between the two.

Black cottonwood—Forests in which a plurality of the stand is black cottonwood. Black cottonwood is found south of the Alaska Range in pure stands along the major rivers. It hybridizes extensively with balsam poplar where their ranges overlap; in this overlap area types are not distinguished by species but are usually reported as cottonwood/poplar. Black cottonwood stands are replaced by white spruce as they age, and the pure stands contain only an occassional white spruce or paper birch.

<u>Paper birch</u>—Forests in which a plurality of the stand is paper birch. Paper birch can occur in pure stands but is more often mixed with white spruce, quaking aspen, or black spruce.

Quaking aspen--Forests in which a plurality of the stand is aspen. Aspen is usually found as a pure type following fire and the willow stage of succession. As the aspen ages it is usually replaced by spruce, except on very dry sites where it may remain as a pure type. Common associates include black spruce, white spruce, and occasionally paper birch.

<u>Growing stock trees</u>—-Sawtimber trees, poletimber trees, saplings, and seedlings; that is, all live trees except cull trees.

<u>Desirable trees</u>—Growing stock trees with no serious defects in quality limiting present or prospective use, relatively high vigor, and hosting no pathogens that could result in death or serious deterioration before rotation age. They include the type of trees forest managers aim to grow; that is, the trees left in silvicultural cutting or favored in cultural operations.

Acceptable trees—Trees meeting the specifications for growing stock but not qualifying as desirable.

<u>Hardwoods</u>—Dicotyledonous trees, usually broad leaved and deciduous. hardwood species in interior Alaska are paper birch, quaking aspen, black cottonwood, and balsam poplar.

<u>Inhibiting vegetation</u>—-Cover sufficiently dense to prevent establishment of tree seedlings.

<u>International 1/4-inch rule</u>—A rule used to determine the tree volume in board feet (Bruce and Schumacher 1950).

Land area—The area of dry land and land temporarily or partly covered by water such as marshes, swamps, and river flood plains (omitting tidal flats below mean high tide); streams, sloughs, estuaries, and canals less than 120 feet wide; and lakes, reservoirs, and ponds less than 1 acre in area.

<u>Log grades</u>—-a classification of logs based on external characteristics as indicators of quality or value.

Mean annual increment (MAI)—A measure of the volume of wood, in cubic feet, produced on 1 acre during 1 year. FIA minimum standard for commercial forest land is the ability to produce 20 cubic feet per acre per year.

Mortality--Number or sound-wood volume of live trees dying from natural causes during a 5-year period.

Net annual growth of growing stock--The annual change in volume of sound wood in live sawtimber and poletimber trees.

Net annual growth of sawtimber -- The annual change in net board-foot volume of live sawtimber trees.

Net volume—The gross volume of a tree less deductions for rot, sweep, or other defect affecting product use.

Growing stock volume. The net volume of sound wood in the bole of growing stock trees 5.0-inch d.b.h. and larger, from stump to a minimum top diameter of 4.0 inches outside bark or to the point where the central stem breaks into limbs.

Noncommercial species—Tree species of typically small size, poor form, or inferior quality which normally do not develop into trees suitable for industrial products.

Nonforest land- Land that does not qualify as forest land. Includes land that has never supported forests and lands formerly forested where forest use is precluded by development for nonforest uses, such as crops, improved pasture, residential areas, and city parks. Also includes improved roads and certain areas of water classified by the Bureau of Census as land. Unimproved roads, streams, canals, and nonforest strips in forest areas must be more than 120 feet wide, and clearings in forest areas must be more than 1 acre in size to qualify as nonforest land.

Nonstockable land--Areas of forest land not capable of supporting forest growth because of rock, water, etc.

Rotten cull trees--Live trees of 5.0-inch and larger d.b.h. that do not contain a saw log now or prospectively, primarily because of rot.

Salvable dead trees—Standing dead trees that are considered currently or potentially merchantable by regional standards. A poletimber tree must be more than one half sound; a sawtimber tree more than one third sound (board measure).

Saw log- A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet long, sound and straight, and with a minimum small end diameter inside bark of 6 inches for softwoods (8 inches for hardwoods).

<u>Saw-log portion</u>—That part of the bole of sawtimber trees between the stump and the saw log top.

Saw-log top--The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum sawlog top is 7.0-inch d.o.b. (diameter outside bark) for softwoods and 9.0-inch d.o.b. for hardwoods.

<u>Site class</u>—A classification of forest land by its capacity to grow crops of industrial wood.

Softwoods—Needle leaved trees, usually evergreen. Interior Alaska species are white and black spruce and tamarack.

Stocking--The degree of occupancy of land by trees, measured by basal area and/or the number of trees in a stand by size or age and spacing, compared with the basal area or number of trees required to fully utilize the growth potential of the land; that is, the stocking standard.

Overstocked areas—Areas where growth of trees is significantly reduced by excessive numbers of trees.

Nonstocked areas—Commercial forest lands less than 16.7 percent stocked with growing stock trees.

Stand size class—A classification of forest land based on size of the growing stock present; that is, sawtimber, poletimber, or saplings and seedlings.

<u>Sawtimber stands</u>—Stands at least 16.7 percent stocked with growing stock trees, with half or more of total stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

<u>Poletimber stands</u>—Stands at least 16.7 percent stocked with growing stock trees of which half or more of this stocking is in poletimber and sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

<u>Seedling-sapling stands</u>—stands at least 16.7 percent stocked with growing stock trees of which more than half of the stocking is seedlings and saplings.

<u>Tree-size class</u>—A classification based on the diameter of the tree at breast height (4-1/2 feet above the ground on the uphill side of the tree).

<u>Sawtimber-size tree</u>--Softwood tree of 9.0-inch d.b.h. and larger. Hardwood tree of 11.0-inch d.b.h. and larger.

<u>Poletimber-size tree</u>—Softwood tree of 5.0- to 8.9-inch d.b.h. Hardwood tree of 5.0- to 10.9-inch d.b.h.

Sapling-size tree- A tree of 1.0- to 4.9-inch d.b.h.

<u>Seedling-size tree</u>—An established tree of less than 1.0-inch d.b.h.

Upper-stem portion—That part of the main stem or fork of saw-timber trees above the saw-log top to a minimum top diameter of 4.0-inch outside bark or to the point where the main stem or fork breaks into limbs.

<u>Water</u>—Bureau of the Census definition: Streams, sloughs, estuaries, and canals more than one-eighth of a statute mile in width; and lakes, reservoirs, and ponds more than 40 acres in area. FIA definition: The same as the Bureau of the Census definition, except minimum width of streams, etc., is 120 feet and minimum size of lakes, etc., is 1 acre.

# Names of Trees

Pine family:

Black spruce Picea mariana (Mill.) B.S.P. White spruce Picea glauca (Moench) Voss

Willow family:

Balsam poplar Populus balsamifera L.
Quaking aspen Populus tremuloides Michx.

Birch family:

Paper birch Betula papyrifera Marsh.

A number of other trees or plants with treelike stature were found in the Wood-Salcha inventory block: 10 members of the willow family, 2 members of the birch family (alders), and 1 member of the rose family (Green mountain ash). Because they are considered noncommercial species, these trees and plants were not inventoried.

One member of the pine family, tamarack (Larix laricina (DuRoi) K. Koch), although regarded as a "commercial tree species" in the 1975 inventory, was not tallied in the sample of 188 ground plots. It is, however, fairly common as an associated species in the black spruce type and occasionally occurs as a pure type in small stands in the Wood-Salcha block, especially in that area of the block south of the Tanana River.

<sup>9/</sup>The source for scientific names and distribution is Viereck and Little (1975). The trees listed in this tabulation are commercial species.

### Tables

Estimates in this report are developed from statistically based samples and therefore are subject to sampling error. Sampling errors are presented in the section "Reliability of Inventory Data."

Table 1--Area by land class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

LAND CLASS	THOUSAND ACRES
FOREST LAND:	
COMMERCIAL	626.3
NONCOMMERCIAL	
OPERABLE	94.4
INOPERABLE	2,688.2
TOTAL	3,408.9
NONFOREST LAND1/	604.6
ALL LANDS	4,013.5
CENSUS WATER	77.4
TOTAL AREA	4,090.9

Estimates are subject to sampling error.

1/Includes swampland, industrial and urban areas, other nonforest land, and 49,732 acres classified as water by Forest Iventory and Analysis standards but defined by the Bureau of the Census as land.

Table 2--Area of commercial and operable noncommercial forest land by stand size class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

		FOREST LAND	
STAND SIZE CLASS	COMMERCIAL	OPERABLE NONCOMMERCIAL	TOTAL
		THOUSAND ACRES	
SAWTIMBER STANDS POLETIMBER STANDS SEEDLING AND	169.4 283.7	23.1 71.3	192.5 355.0
SAPLING STANDS NONSTOCKED AREAS	173.2		173.2
ALL CLASSES	626.3	94.4	720.7

-- = no data.

Table 3--Area of commercial and operable noncommercial forest land by stand volume class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

		FOREST LAND	
STAND VOLUME	COMMERCIAL	OPERABLE NONCOMMERCIAL	TOTAL
BOARD FEET PER ACRE 1/		THOUSAND ACRES	
0-799	262.2	29.9	292.1
800-1,499	42.8	20.8	63.6
1,500-2,999	101.1	13.6	114.7
3,000-4,999	62.9	10.0	72.9
5,000-6,999	54.2	13.6	67.8
7,000 AND OVER	103.1	6.5	109.6
ALL CLASSES	626.3	94.4	720.7

Estimates are subject to sampling error.

 $\frac{1}{N}$ Net volume, International 1/4-inch rule.

Table 4—Area of commercial and operable noncommercial forest land by stand volume and stand size class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

		STAI	ND SIZE CLASS		
STAND VOLUME CLASS	NONSTOCKED	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	TOTAL
		THOU	JSAND ACRES		
0-299		114.4	3.6		118.0
300-799		42.6	68.5	13.7	124.8
800-1,499		16.2	162.9	35.5	214.6
1,500-2,199			86.6	65.8	152.4
2,200 AND OVER			33.4	77.5	110.9
ALL CLASSES		173.2	355.0	192.5	720.7

-- = no data.

Table 5--Area of commercial forest land by area condition class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

CODE	AREA CONDITION CLASS	THOUSAND ACRES
10	Areas 100 percent or more stocked with desirable trees and not overstocked.	6.5
20	Areas 100 percent or more stocked with desirable trees and overstocked.	55.9
30	Areas 60 to 100 percent stocked with desirable trees and with less than 30 percent of the area controlled by acceptable growing stock trees, cull trees, inhibiting vegetation, slash, or nonstockable conditions.	9.7
40	Areas 60 to 100 percent stocked with desirable trees and with 30 percent or more of the area controlled by other trees (or overstocked areas) or conditions that ordinarily prevent occupancy by desirable trees.	95.1
50	Areas less than 60 percent stocked with desirable trees but with 100 percent or more stocking with growing stock trees.	248.1
60	Areas less than 60 percent stocked with desirable trees but with 60-to 100-percent stocking with growing stock trees.	177.6
70	Areas less than 60 percent stocked with desirable trees and with less than 60-percent stocking with growing stock trees.	33.4
	ALL CLASSES	626.3

Table 6--Area of commercial forest land by site class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

SITE CLASS	THOUSAND ACRES
CUBIC FEET	
85 OR MORE1/ 50-85 LESS THAN 50	  626.3
ALL CLASSES	626.3

-- = no data.

 $\frac{1}{P}$  otential yield, mean annual increment.

Table 7--Area of commercial and noncommercial forest land by forest type, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

FOREST TYPE	COMMERCIAL	NONCOMMERCIA	AL FOREST LAND		
	FOREST LAND	OPERABLE	INOPERABLE	TOTAL	
		THOUSAN	O ACRES		
BALSAM POPLAR	19.4		31.9	51.3	
BLACK SPRUCE	10.4	20.5	1877.5	1908.4	
WHITE SPRUCE	212.7	50.5	329.7	592.9	
PAPER BIRCH	258.6	13.0	357.0	628.6	
QUAKING ASPEN	125.2	10.4	92.1	227.7	
NONSTOCKED					
ALL TYPES	626.3	94.4	2,688.2	3,408.9	

Estimates are subject to sampling error.

-- = no data.

Table 8--Area of commercial forest land by stand age and stand size class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

		STAND SIZE CLASS									
STAND AGE	NONSTOCKED	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	ALL CLASSES						
YEARS		TI	OUSAND ACRES								
1-10		19.4			19.4						
10-20		16.5			16.5						
20-30		29.0		3.2	32.2						
30-40		69.1	13.3		82.4						
40-50		19.7	22.8		42.5						
50-60		6.5	29.1	~ ~	35.6						
60-70	~ -		49.9	7.2	57.1						
70-80		6.5	40.2	19.7	66.4						
80-90			16.2	10.1	26.3						
90-100			36.0	25.8	61.8						
100-120			49.7	32.1	81.8						
120-140			16.5	39.6	56.1						
140-160			6.8	9.2	16.0						
160-180				3.2	3.2						
180-200				6.5	6.5						
200-300				12.8	12.8						
300 AND OVER											
MIXED AGES		6.5	3.2		9.7						
ALL AGE	s	173.2	283.7	169.4	626.3						

<sup>-- =</sup> no data.

Table 9--Area of operable noncommercial forest land by stand age and stand size class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

		STA	ND SIZE CLASS		
STAND AGE	NONSTOCKED	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	TOTAL
YEARS		THO	OUSAND ACRES		
1-10	sine arm				
10-20		~-			
20-30					
30-40					
40-50					
50-60			3.3		3.3
60-70			3.2		3.2
70-80			3.2		3.2
80-90			3.2		3.2
90-100			3.6		3.6
100-120			24.0	3.2	27.2
120-140			20.4	6.5	26.9
140-160			~-	3.3	3.3
160-180			3.2	6.5	9.7
180-200			3.6		3.6
200-300				3.6	3.6
300 AND OVER					
MIXED AGES			3.6		3.6
ALL AGE	S		71.3	23.1	94.4

<sup>--</sup> = no data.

Table 10--Number of growing stock trees on commercial forest land by diameter class and species, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

DIAMETER CLASS	BALSAM POPLAR	BLACK SPRUCE	PAPER BIRCH	QUAKING ASPEN	WHITE SPRUCE	ALL SPECIES
INCHES AT						
BREAST HEIGHT			THOUSAND TR	EES		
1.0-2.9	3,052.5		96,068.8	36,601.8	41,432.6	177,155.
3.0-4.9	1,726.8		51,022.0	25,938.7	21,390.6	100,078.
5.0-6.9	2,776.8	2,266.5	23,235.2	17,306.0	13,875.6	59,460.
7.0-8.9	1,785.4	1,047.9	13,922.2	6,536.4	11,170.4	34,462.3
9.0-10.9	1,126.2	82.2	6,412.9	1,657.0	8,153.4	17,431.
11.0-12.9	453.2	18.1	1,781.5	443.4	4,554.4	7,250.0
13.0-14.9	128.4		355.5	130.9	2,499.0	3,113.8
15.0-16.9	27.0		77.8	82.1	942.2	1,129.1
17.0-18.9			14.6	15.6	417.2	447.4
19.0-20.9					87.0	87.0
21.0-28.9					38.0	38.0
29 AND OVER						
ALL CLASSES	11,076.3	3,414.7	192,890.5	88,711.9	104,560.4	400,653.8

Table 11--Number of growing stock trees 5.0-inch d.b.h. and larger on commercial and operable noncommercial forest land by 5-foot height class and species, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

5-FOOT HEIGHT CLASS	BALSAM POPLAR	BLACK SPRUCE	PAPER BIRCH	QUAKING ASPEN	WHITE SPRUCE	ALL SPECIES
			THOUSAND T	TREES		
0-30	726.3	508.8	1,065.6	839.4	2,715.6	5,855.
31-35	437.6	1,476.2	2,185.2	1,380.0	4.007.4	9,486.4
36-40	1,236.1	1,392.5	5,269.2	3,662.7	6,162.9	17,723.
41-45	1,084.4	1,933.6	9,430.4	4,373.9	7,519.9	24,342.
46-50	1,334.3	1,529.1	10,474.2	7,353.0	8,214.5	28,905.
51-55	705.3	610.0	9,004.0	4,233.7	6,920.2	21,473.
56-60	540.1	449.8	7,464.6	3,857.0	5,680.5	17,992.0
61-65	194.3	121.9	4,066.4	1,836.4	4,347.5	10,566.
66-70	70.9		1,452.4	832.0	3,591.4	5,946.
71-75			384.3	115.6	2,481.1	2,981.
76-80			193.7	59.4	1,433.2	1,686.
81-85					1,005.1	1,005.
86-90			19.7		500.6	520.3
91-95					237.6	237.
96-100					123.6	123.
101 AND OVER					91.7	91.
ALL CLASSES	6,329.3	8,021.9	51,009.7	28,543.1	55,032.8	148,936.

<sup>--</sup> = no data.

<sup>-- =</sup> no data.

Table 12--Net volume of timber on commercial and operable noncommercial forest land by class of timber and by softwoods and hardwoods, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

CLASS OF TIMBER	COMMERCI	AL FOREST L	AND	OPERABLE NONCOMMERCIAL FOREST LAND			
	SOFTWOODS	HARDWOODS	TOTAL	SOFTWOODS	HARDWOODS	TOTAL	
			MILLION	CUBIC FEET	,		
SAWTIMBER TREES:							
SAW-LOG PORTION	295.7	39.2	334.9	35.2	0.6	35.8	
UPPER-STEM PORTION	24.0	11.6	35.6	3.8	. 2	4.0	
TOTAL	319.7	50.8	370.5	39.0	. 8	39.8	
POLETIMBER TREES	115.6	313.3	428.9	50.8	27.3	78.1	
ALL GROWING							
STOCK TREES	435.3	364.1	799.4	89.8	28.1	117.9	
ROUGH TREES	. 4	1.3	1.7	. 7		. 7	
ROTTEN TREES	1.2	4.0	5.2		. 9	. 9	
SALVABLE TREES	10.5	1.6	12.1	. 5		. 5	
ALL TIMBER	447.4	371.0	818.4	91.0	29.0	120.0	

-- = no data.

Table 13--Net volume of growing stock on commercial forest land by diameter class and species, Wood-Salcha block, Tamana inventory unit, Alaska, 1975

	SOFTWOODS			HARDWOODS					
DIAMETER	BLACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER BIRCH	QUAKING ASPEN	TOTAL	ALL SPECIES	
INCHES AT									
BREAST HEIGHT			MILLIO	V CUBIC F	EET				
5.0-6.9	5.1	35.4	40.5	4.6	55.3	44.2	104.1	144.6	
7.0-8.9	5.7	69.4	75.1	7.3	81.0	36.4	124.7	199.8	
9.0-10.9	. 8	96.0	96.8	7.4	61.8	15.3	84.5	181.3	
11.0-12.9	.2	85.9	86.1	4.8	23.4	7.3	35.5	121.6	
13.0-14.9	<b>→</b> –	69.8	69.8	1.8	5.9	2.5	10.2	80.0	
15.0-16.9		36.1	36.1	.6	1.8	1.9	4.3	40.4	
17.0-18.9		21.8	21.8		.3	. 5	.8	22.6	
19.0-20.9		5.6	5.6					5.6	
21.0-28.9		3.5	3.5					3.5	
29.0 AND OVER									
ALL CLASSES	11.8	423.5	435.3	26.5	229.5	108.1	364.1	799.4	

<sup>-- =</sup> no data.

Table 14--Net volume of growing stock on commercial and operable noncommercial forest land by diameter class and species, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

	SOFTWOODS			HARDWOODS					
DIAMETER CLASS	BLACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER BIRCH	QUAKING ASPEN	TOTAL	ALL SPECIES	
INCHES AT									
BREAST HEIGHT			MI	LLION CUB	IC FEET				
5.0-6.9	12.8	49.8	62.6	4.6	60.3	48.3	113.2	175.8	
7.0-8.9	13.1	90.7	103.8	7.3	90.1	39.4	136.9	240.7	
9.0-10.9	1.3	115.0	116.3	7.5	66.0	17.0	90.5	206.8	
11.0-12.9	. 5	99.8	100.3	4.8	23.9	7.7	36.4	136.7	
13.0-14.9		73.9	73.9	1.7	5.9	2.6	10.1	84.0	
15.0-16.9		37.2	37.2	. 6	1.8	1.9	4.3	41.5	
17.0-18.9		21.8	21.8		. 3	. 5	. 8	22.6	
19.0-20.9		5.6	5.6					5.6	
21.0-28.9		3.5	3.5					3.5	
29.0 AND OVER									
ALL CLASSES	27.7	497.3	525.0	26.5	248.3	117.4	392.2	917.2	

-- = no data.

Table 15--Net volume of sawtimber on commercial forest land by diameter class and species, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

	SOFTWOODS							
DIAMETER								
CLASS	BLACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER BIRCH	QUAKING ASPEN	TOTAL	ALL SPECIES
INCHES AT								
BREAST HEIGHT		MILLION B	OARD FEET	, INTERNA	TIONAL 1	/4-INCH RU	LE	
9.0-10.9	4.5	510.9	515.4	0	0	0	0	515.4
11.0-12.9	1.3	475.2	476.5	13.7	99.7	31.1	144.5	621.0
13.0-14.9		401.2	401.2	6.5	26.5	11.4	44.4	445.6
15.0-16.9		211.4	211.4	3.0	9.8	8.7	21.5	232.9
17.0-18.9		129.9	129.9		1.5	2.8	4.3	134.2
19.0-20.9		34.1	34.1					34.1
21.0-28.9		22.2	22.2					22.2
29.0 AND OVER								
ALL CLASSES	5.8	1,784.9	1,790.7	23.2	137.5	54.0	214.7	2,005.4

Estimates are subject to sampling error.

-- = no data.

Table 16--Net volume of sawtimber on commercial and operable noncommercial forest land by diameter class and species, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

	SOFTWOODS							
DIAMETER CLASS	BLACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER BIRCH	QUAKING ASPEN	TOTAL	ALL SPECIES
INCHES AT								
BREAST HEIGHT	М	ILLION BO	ARD FEET,	INTERNA	TIONAL 1	/4-INCH RU	LE	
9.0-10.9	7.4	618.8	626.2	0	0	0	0	626.2
11.0-12.9	3.0	553.0	556.0	13.7	102.0	32.5	148.2	704.2
13.0-14.9		424.3	424.3	6.5	26.4	11.4	44.3	468.6
15.0-16.9		217.4	217.4	3.0	9.8	8.7	21.5	238.9
17.0-18.9		129.9	129.9		1.5	2.8	4.3	134.2
19.0-20.9		34.1	34.1					34.1
21.0-28.9		22.2	22.2					22.2
29.0 AND OVER								
ALL CLASSES	10.4	1,999.7	2,010.1	23.2	139.7	55.4	218.3	2,228.4

-- = no data.

Table 17--Gross volume of sawtimber on commercial forest land by diameter class and species, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

		SOFTWOODS			HARDW	DODS		
DIAMETER								
CLASS	BLACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER BIRCH	QUAKING ASPEN	TOTAL	ALL SPECIES
INCHES AT								
BREAST HEIGHT	М.	ILLION BO	ARD FEET,	INTERNA	TIONAL 1	/4-INCH RU	LE	
9.0-10.9	4.5	517.2	521.7	0	0	0	0	521.7
11.0-12.9	1.3	483.7	485.0	16.0	125.8	33.6	175.4	660.4
13.0-14.9		411.0	411.0	8.0	37.9	14.0	59.9	470.9
15.0-16.9	+-	217.7	217.7	3.5	12.7	11.6	27.8	245.5
17.0-18.9		136.4	136.4		2.7	3.4	6.1	142.5
19.0-20.9		35.9	35.9					35.9
21.0-28.9		22.2	22.2					22.2
29.0 AND OVER								
ALL CLASSES	5.8	1,824.1	1,829.9	27.5	179.1	62.6	269.2	2,099.1

Estimates are subject to sampling error.

-- = no data.

Table 18- Gross volume of sawtimber on commercial and operable noncommercial forest land by diameter class and species, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

	SOFTWOODS			HARDWOODS				
DIAMETER CLASS	BLACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER BIRCH	QUAKING ASPEN	TOTAL	ALL SPECIES
<del>-</del>								
INCHES AT								
BREAST HEIGHT	MI	LLION BOA	RD FEET,	INTERNAT	IONAL 1/	4-INCH RUL	E	
9.0-10.9	7.4	627.9	635.3	0.0	0.0	0.0	0.0	635.3
11.0-12.9	3.0	565.3	568.3	16.0	128.7	35.0	179.7	748.0
13.0-14.9		436.1	436.1	8.0	37.9	14.0	59.9	496.0
15.0-16.9		223.8	223.8	3.5	12.7	11.6	27.8	251.6
17.0-18.9		136.4	136.4		2.7	3.4	6.1	142.5
19.0-20.9		35.9	35.9					35.9
21.0-28.9		22.2	22.2					22.2
29.0 AND OVER								
ALL CLASSES	10.4	2,047.6	2,058.0	27.5	182.0	64.0	273.5	2,331.5

-- = no data.

Table 19--Net volume of growing stock on commercial forest land, in cubic feet and volume per acre, by forest type and stand size class, Wood-Salcha block, Tanana inventory unit, 1975

	STAND SIZE CLASS							
FOREST TYPE AND UNIT	NONSTOCKED	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	ALL			
	NONSTOCKED	SAFLING	POLETIMBER	SAWIIMBER	CLASSES			
BLACK SPRUCE:								
FT <sup>3</sup>			13,143,685		13,143,685			
ACRES			10,397		10,397			
FT <sup>3</sup> /ACRE			1,264		1,264			
WHITE SPRUCE:								
FT <sup>3</sup>		9,530,162	90,934,738	301,518,475	401,983,375			
ACRES		19,366	63,054	130,299	212,719			
FT <sup>3</sup> /ACRE		492	1,442	2,314	1,890			
BALSAM POPLAR:								
FT <sup>3</sup>		1,922,974	13,523,050		15,446,024			
ACRES		6,448	12,964		19,412			
FT <sup>3</sup> /ACRE		298	1,043		796			
QUAKING ASPEN:								
FT <sup>3</sup>		13,893,986	82,096,489	12,588,832	108,579,307			
ACRES		55,875	62,455	6,808	125,138			
FT <sup>3</sup> /ACRE		249	1,314	1,850	868			
PAPER BIRCH:								
FT <sup>3</sup>		20,595,574	189,602,579	50,024,292	260,222,446			
ACRES		91,465		32,303	258,605			
FT <sup>3</sup> /ACRE	~-	225	1,406	1,549	1,006			
ALL TYPES:				044 000 500	300 03/ 00/			
FT <sup>3</sup>		45,942,696		364,131,599	799,374,836			
ACRES		173,154	283,707	169,410	626,271			
FT <sup>3</sup> /ACRE		265	1,372	2,149	1,276			

Table 20--Net volume of growing stock on operable noncommercial forest land, in cubic feet and volume per acre, by forest type and stand size class, Wood-Salcha block, Tanana inventory unit, 1975

	STAND SIZE CLASS							
FOREST TYPE AND UNIT		SEEDLING AND	;					
	NONSTOCKED	SAPLING	POLETIMBER	SAWTIMBER	CLASSES			
BLACK SPRUCE:								
FT3			21,138,965		21,138,965			
ACRES			20,458		20,458			
FT <sup>3</sup> /ACRE			1,033		1,033			
WHITE SPRUCE:								
FT <sup>3</sup>			37,136,342	37,545,156	74,681,498			
ACRES			27,527	23,024	50,551			
FT <sup>3</sup> /ACRE			1,349	1,631	1,477			
BALSAM POPLAR:								
FT <sup>3</sup>								
ACRES								
FT <sup>3</sup> /ACRE								
QUAKING ASPEN:								
FT <sup>3</sup>			10,979,111		10,979,111			
ACRES			10,397		10,397			
FT <sup>3</sup> /ACRE			1,056		1,056			
PAPER BIRCH:								
FT <sup>3</sup>			11,012,895		11,012,895			
ACRES			12,964		12,964			
FT <sup>3</sup> /ACRE			849		849			
	-							
ALL TYPES:				07 545 455	117 010 //0			
FT <sup>3</sup>			80,267,313		117,812,469			
ACRES			71,346	23,024	94,370			
FT <sup>3</sup> /ACRE			1,125	1,631	1,248			

<sup>-- =</sup> no data.

Table 21--Net volume of sawtimber on commercial forest land, in board feet International 1/4-inch rule and volume per acre, by forest type and stand size class, Wood-Salcha block, Tanana inventory unit, 1975

			STAND SIZE CL	ASS	
FOREST TYPE AND UNIT	NONSTOCKED	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	ALL CLASSES
BLACK SPRUCE:					
FBM1/			27,283,619		27,283,619
ACRES			10,397		10,397
FBM/ACRE		***	2,624		2,624
WHITE SPRUCE:					
FBM		27,572,211	213,727,653	1,225,819,132	1,467,118,996
ACRES		19,366	63,054	130,299	212,719
FBM/ACRE		1,424	3,390	9,408	6,897
BALSAM POPLAR:					
FBM		489,069	17,224,959		17,714,028
ACRES		6,448	12,964		19,412
FBM/ACRE		76	1,329		913
QUAKING ASPEN:					
FBM		2,904,111	41,285,426	41,742,854	85,932,390
ACRES		55,875	62,455	6,808	125,138
FBM/ACRE		52	661	6,131	687
PAPER BIRCH:					
FBM		19,621,778	243,237,759	144,491,580	407,351,117
ACRES		91,465	134,837	32,303	258,605
FBM/ACRE		215	1,804	4,473	1,575
ALL TUDGS					
ALL TYPES: FBM		50 507 160	542 750 416	1 412 052 544	2 005 400 150
ACRES		50,587,169 173,154	542,759,416 283,707	1,412,053,566 169,410	2,005,400,150 626,271
FBM/ACRE		292	1,913	8,335	3,202

<sup>-- =</sup> no data.

 $<sup>\</sup>frac{1}{FBM}$  = board-foot measure, International 1/4-inch rule.

Table 22--Net volume of sawtimber on operable noncommercial forest land, in board feet International 1/4-inch rule and volume per acre, by forest type and stand size class, Wood-Salcha block, Tanana inventory unit, 1975

			STAND SIZE CL.	ASS	
FOREST TYPE AND UNIT		SEEDLING AND			ALL
	NONSTOCKED	SAPLING	POLETIMBER	SAWTIMBER	CLASSES
BLACK SPRUCE:					
FBM1/			9,446,735		9,446,735
ACRES			20,458		20,458
FBM/ACRE			462		462
WHITE SPRUCE:					
FBM			66,199,715	139,383,881	205,583,596
ACRES			27,527	23,024	50,551
FBM/ACRE			2,405	6,054	4,067
BALSAM POPLAR:					
FBM					
ACRES					
FBM/ACRE					
QUAKING ASPEN:					
FBM			6,777,493		6,777,493
ACRES			10,397		10,397
FBM/ACRE			652		652
PAPER BIRCH:					
FBM			1,199,300		1,199,300
ACRES			12,964		12,964
FBM/ACRE			93		93
ALL TYPES:				100 000 000	000 007
FBM			83,623,243	139,383,881	223,007,124
ACRES			71,346	23,024	94,370
FBM/ACRE			1,172	6,054	2,363

<sup>-- =</sup> no data.

 $<sup>\</sup>frac{1}{2}$ /FBM = board-foot measure, International 1/4-inch rule.

Table 23--Net volume of sawtimber on commercial forest land by species and log grade, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

	LOG GRADE1/						
SPECIES	1	2	3	3 4 <u>2</u> /			
	MILLION	BOARD	FEET, IN	TERNATIONAL	1/4-INCH RULE		
SOFTWOODS:							
BLACK SPRUCE			5.	8	5.8		
WHITE SPRUCE	0.8	48.2	1,500.	4 235.5	1,784.9		
TOTAL	. 8	48.2	1,506.	2 235.5	1,790.7		
HARDWOODS:							
BALSAM POPLAR		5.2	15.	1 2.9	23.2		
PAPER BIRCH		11.7	95.	7 30.2	137.6		
QUAKING ASPEN	1.0	7.7	38.	5 6.7	53.9		
TOTAL	1.0	24.6	149.	3 39.8	214.7		
ALL SPECIES	1.8	72.8	1,655.	5 275.3	2,005.4		

<sup>--</sup> = no data.

 $<sup>\</sup>frac{1}{2}$ Forest Products Laboratory (1959), and Northern Hemlock and Hardwood Manufacturers Association (1959).

<sup>2/</sup>Logs for local use.

Table 24--Net volume of sawtimber on operable noncommercial forest land by species and log grade, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

			LOG GRAI	DET/	
SPECIES	1	2	3	42/	TOTAL
	MILLION	BOARD	FEET, INTERN	NATIONAL 1/4-INCH	RULE
SOFTWOODS:					
BLACK SPRUCE			4.0	0.5	4.5
WHITE SPRUCE		1.9	167.1	45.8	214.8
TOTAL		1.9	171.1	46.3	219.3
HARDWOODS:					
BALSAM POPLAR					
PAPER BIRCH		. 7	. 9	.6	2.2
QUAKING ASPEN			. 9	. 6	1.5
TOTAL		. 7	1.8	1.2	3.7
ALL SPECIES		2.6	172.9	47.5	223.0

 $\underline{1}$ /Forest Products Laboratory (1959), and Northern Hemlock and Hardwood Manufacturers Association (1959).

<sup>--</sup> = no data.

<sup>2/</sup>Logs for local use.

Table 25--Net annual growth of growing stock by species and forest land class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

	FOREST LAND CLASS				
SPECIES	COMMERCIAL	OPERABLE NONCOMMERCIAL	TOTAL		
		THOUSAND CUBIC FEET			
SOFTWOODS:					
BLACK SPRUCE	339.0	563.0	902.0		
WHITE SPRUCE	7,141.6	1,255.3	8,396.9		
TOTAL	7,480.6	1,818.3	9,298.9		
HARDWOODS:					
BALSAM POPLAR	493.5	.8	494.3		
PAPER BIRCH	6,447.5	378.8	6,826.3		
QUAKING ASPEN	5,563.6	158.0	5,721.6		
TOTAL	12,504.6	537.6	13,042.2		
ALL SPECIES	19,985.2	2,355.9	22,341.1		

Table 26--Net annual growth of sawtimber by species and forest land class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

	FOREST LAND CLASS					
SPEC1ES	COMMERCIAL	OPERABLE NONCOMMERCIAL	TOTAL			
	THOUSAND BOARD	FEET, INTERNATIONAL	1/4-INCH RULE			
SOFTWOODS:						
BLACK SPRUCE	671.9	52.4	724.3			
WHITE SPRUCE	47,636.9	9,113.9	56,750.8			
TOTAL	48,308.8	9,166.3	57,475.1			
HARDWOODS:						
BALSAM POPLAR	1,473.1		1,473.1			
PAPER BIRCH	11,570.9	23.3	11,594.2			
QUAKING ASPEN	2,716.4	27.1	2,743.5			
TOTAL	15,760.4	50.4	15,810.8			
ALL SPECIES	64,069.2	9,216.7	73,285.9			

<sup>--</sup> = no data.

Table 27--Annual mortality of growing stock by species and forest land class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

		FOREST LAND CLASS	
SPECIES	COMMERCIAL	OPERABLE NONCOMMERCIAL	TOTAL
		THOUSAND CUBIC FEET	
SOFTWOODS: BLACK SPRUCE WHITE SPRUCE	149.7 1,144.0	109.1	149.7 1,253.1
TOTAL	1,293.7	109.1	1,402.8
HARDWOODS: BALSAM POPLAR PAPER BIRCH QUAKING ASPEN	150.7 217.1 23.6	  42.4	150.7 217.1 66.0
TOTAL	391.4	42.4	433.8
ALL SPECIES	1,685.1	151.5	1,836.6

<sup>-- =</sup> no data.

Table 28--Annual mortality of sawtimber by species and forest land class, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

		FOREST LAND CLASS	3	
SPECIES	COMMERCIAL	OPERABLE COMMERCIAL NONCOMMERCIAL		
	THOUSAND BOARD	FEET, INTERNATIONAL	1/4-INCH RULE	
SOFTWOODS:				
BLACK SPRUCE	740.3		740.3	
WHITE SPRUCE	3,514.6	320.8	3,835.4	
TOTAL	4,254.9	320.8	4,575.7	
HARDWOODS:				
BALSAM POPLAR				
PAPER BIRCH				
QUAKING ASPEN				
TOTAL			<del></del>	
ALL SPECIES	4,254.9	320.8	4,575.7	

<sup>-- =</sup> no data.

Table 29-Annual mortality of growing stock by cause, forest land class, and by softwoods and hardwoods, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

CAUSE	-	OMMERCIAL OREST LAND			LE NONCOMMER FOREST LAND	CIAL
	SOFTWOODS	HARDWOODS	TOTAL	SOFTWOODS	HARDWOODS	TOTAL
			THOUSAND (	CUBIC FEET		
FIRE	712.5	140.4	852.9			
INSECTS	51.9	23.6	75.5			
DISEASE	97.2	42.7	139.9			
WINDTHROW	71.3		71.3		42.4	42.4
OTHER	147.1	34.0	181.1	56.7		56.7
UNKNOWN	213.7	150.7	364.4	52.4		52.4
TOTAL	1,293.7	391.4	1,685.1	109.1	42.4	151.5

-- = no data.

Table 30--Annual mortality of sawtimber by cause, forest land class, and by softwoods and hardwoods, Wood-Salcha block, Tanana inventory unit, Alaska, 1975

CAUSE	COMMERCIAL FOREST LAND			OPERABLE NONCOMMERCIAL FOREST LAND		
CROSE	SOFTWOODS	HARDWOODS	TOTAL	SOFTWOODS	HARDWOODS	TOTAL
	T	HOUSAND BOAR	D FEET, INT	ERNATIONAL 1/	4-INCH RULE	
FIRE	2,306.5		2,306.5			
INSECTS	278.5		278.5			
DISEASE	554.9		554.9			
WINDTHROW	377.7		377.7			
OTHER	307.9		307.9	320.8		320.8
UNKNOWN	429.4		429.4			
TOTAL	4,254.9		4,254.9	320.8		320.8

Estimates are subject to sampling error.

-- = no data.

#### Acknowledgments

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<u>Inventory prepared by</u>: Alaska Forest Inventory and Analysis work unit, Anchorage, Alaska.

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### Metric Equivalents

1 acre = 0.4047 hectare
1 hectare = 2.47 acres
1 cubic foot = 0.0283 cubic meter
1 cubic meter = 35.3147 cubic feet
1 cubic foot per acre = 0.06997 cubic meter per hectare
1 cubic meter per hectare = 14.2913 cubic feet per acre
20 cubic feet per acre = 1.3994 cubic meter per hectare
1 square foot basal area per acre = 0.2296 square meter per hectare

1 square meter per hectare = 4.356 square feet per acre

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Resour. Bull. PNW-107. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1983. 34 p.

This statistical report on timber resources of the 4.1-million-acre Wood-Salcha block in the last of four reports on the 14-million-acre Tanana Valley inventory unit. Tables are provided for commercial and operable noncommercial forest land, total gross and net volumes, and annual net growth and mortality. Estimates for commercial forest land total 626,300 acres with 799,374,800 net cubic feet of growing stock volume. Estimates for the special operable noncommercial class total 94,400 acres with 117,812,500 net cubic feet of growing stock volume.

Keywords: Forest surveys, timber inventory, timber resources, resources (forest), statistics (forest), Alaska (Tanana Valley).

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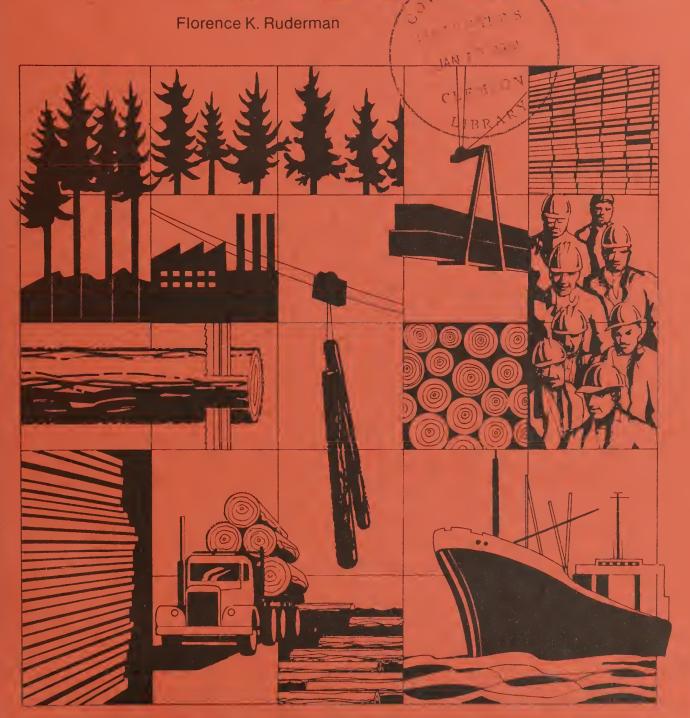
Pacific Northwest Forest and Range Experiment Station

Resource Bulletin PNW-108

November 1983



# Production, Prices, Employment, and Trade in Northwest Forest Industries, Second Quarter 1983



#### **ABSTRACT**

Ruderman, Florence K. Production, prices, employment, and trade in Northwest forest industries, second quarter 1983. Resour. Bull. PNW-108. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1983. 66 p.

Provides current information on the lumber and plywood production and prices, employment in the forest industries, international trade in logs, lumber, and plywood, volume and average prices of stumpage sold by public agencies, and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing, (forest products), import/export (forest products), markets (external), economics (forestry business).

#### PREFACE

This quarterly report presents current information on the timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Historical data for the years before 1969 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries."

Cooperation in supplying data has been received from the following sources: the U.S. Department of Agriculture, Forest Service, Forest Resources Economics Research Staff in Washington, D.C.; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

KEYWORDS: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), import/export (forest products), markets (external), economics (forestry business).

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TABLES INCLUDED IN THIS SERIES OF REPORTS, FREQUENCY OF PUBLICATION, AND MOST RECENT QUARTER PUBLISHED

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Alaska timber harvest on public lands, by ownership, 1971-81	А	Third quarter 1982

<sup>1/</sup>A: Published annually as data become available.

B: Published biannually as data become available.

P: Published periodically as data become available.

Q: Published quarterly as data become available.

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Plywood exports from California, 1972-83	Q	Current, Table 33
LOG PRICES IN WESTERN WASHINGTON AND NORTHWESTERN OREGON		
Douglas-fir Peeler log prices, western Washington and northwestern Oregon, 1972	-82 A	Current, Table 34
Douglas-fir Sawmill log prices, western Washington and northwestern Oregon, 1972	-82 A	Current, Table 35
Western hemlock log prices, western Washington and northwestern Oregon, 1972	-82 A	Current, Table 36
Noble fir log prices, western Washington and northwestern Oregon, 1972-82	А	Current, Table 37
White fir log prices, western Washington and northwestern Oreyon, 1972-82	А	Current, Table 38
Sitka spruce log prices, western Washington and northwestern Oregon, 1972-82	А	Current, Table 39

Table title	Frequency 1/ Most recent quarter
Western redcedar log prices, western Washington and northwestern Oregon, 1972-82	A Current, Table 40
Western white pine log prices, western Washington and northwestern Oregon, 1972-82	A Currrent, Table 41
VOLUME AND AVERAGE VALUE OF STUMPAGE SOL PUBLIC AGENCIES	LD BY
Volume of timber sold on publicly owned managed lands, Washington and Oregon, 1978-83	or Q Current, Table 42
Average stumpage prices of timber sold of publicly owned or managed lands, Washing and Oregon, 1978-83	
Average stumpage prices for sawtimber so on National Forests by selected species, Pacific Northwest Region, 1972-83	
Average stumpage prices received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1981-82	A Current, Table 45
Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1983	s Q Current, Table 46
Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1978-83	Q Current, Table 47
Average stumpage prices of timber sold of publicly owned or managed lands, Montana and Idaho, 1978-83	

Table title	Frequency <u>1</u> /	Most recent quarter
Average stumpage prices for sawtimber so on National Forests by selected species, Northern Region, 1972-83		Current, Table 49
Volume of timber sold on publicly owned managed lands in Alaska, 1978-83	or Q	Current, Table 50
Average stumpage prices of timber sold of publicly owned or managed lands in Alaska, 1978-83	on Q	Current, Table 51
Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1972-83	Q	Current, Table 52
Volume of timber sold on publicly owned or managed lands in California, 1978-83	Q	Current, Table 53
Average stumpage prices of timber sold of publicly owned or managed lands in California, 1978-83	on Q	Current, Table 54
Average stumpage prices for sawtimber so on National Forests by selected species, Pacific Southwest Region, 1972-83		Current, Table 55
Uncut volume under contract on National Forest lands in California, Montana, Ida Oregon, and Washington, 1972-82	aho,	Current, Table 56
Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1972-82	А	First quarter
Allowable annual cut and uncut volume under contract on Oregon State lands, 1972-82	А	Currrent, Table 57
Allowable annual cut and uncut volume under contract on Washington State lands, 1972-83	А	Current, Table 58
Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1972-83	Q	Current, Table 59



Table 1--Softwood lumber production in Western United States by region, and U.S. softwood plywood production, 1972-83

YEAR	TOTAL SOFTWOOO LUMBER	WESTERN WASHINGTON AND WESTERN OREGON <sup>1</sup>	CAL IF ORN I A RE OWOOO REG ION	INLANO REGION <sup>2</sup>	U.S. SOFTWOOD PLYWOOD PROOUCTION <sup>3</sup>
		Million board	feet		Million sq ft 3/8-inch basis
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983	21,830 22,267 19,425 17,773 20,611 21,558 20,780 20,045 16,045 15,004 14,050	8,983 9,074 7,777 7,134 8,322 8,796 8,845 8,427 6,815 6,339 5,808	2,452 2,629 2,675 2,194 2,500 2,453 1,902 1,838 1,617 1,455	10,395 10,564 8,973 8,445 9,789 10,309 10,033 9,780 7,613 7,210 6,821	18,324 18,305 15,878 16,050 18,440 19,677 19,936 20,022 16,573 17,073 17,150
January February March	1,406 1,395 1,551	642 612 696	163 147 144	601 636 711	1,598 1,557 1,848
Total, 1st quarter	4,352	1,950	454	1,948	5,003
April May June	1,516 1,546 1,560	682 693 644	121 131 149	713 722 767	1,703 1,799 1,659E
Total, 2d quarter	4,622	2,019	401	2,202	5,161E
July August September					
Total, 3d quarter					
October November Oecember					
Total, 4th quarter					
1983 total		0.1			
From 1st quarter 1983	6.2	2d quarter 198	3 change, in pe -11.7	rcent 13.0	3.2E
2d quarter 1982	32.0R	44.9R	13.6R	25.4R	26.4E

Source--Western Wood Products Association, Portland, Oregon (western Wasnington and western Oregon, and inland region), National Forest Products Association, Washington, D.C. (California redwood region), and American Plywood Association, Tacoma, Wasnington (U.S. softwood plywood data).

<sup>1</sup>Includes small amounts of hardwood.

 $<sup>^2</sup>$ Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

<sup>30</sup>ata for 1974 and 1975 are based in part on sampling.

R = revised.

E = estimated.

Table 2--Lumber production in Northwest States, 1972-82 (In million board feet)

YEAR WASHINGTON	WASHINGTON	OREGON	CALIFORNIA 1	ANATHOM	IDAHO
1972	3,749	7,943	5,376	1,311	1,851
1973	3,642	8,194	5,446	1,445	1,912
1974	3,222	7,007	4,599	1,165	1,626
1975	3,104	6,342	4,153	1,038	1,631
1976	3,661	7,335	4,824	1,197	1,908
1977	4,031	7,509	5,052	1,250	1,976
1978	4,150	7,416	4,853	1,256	1,932
1979	3,841	7,312	4,639	1,257	1,893
1980	3,161	5,784	3,768	983	1,391
1981	3,242	5,115	3,224	1,032	1,319
1982	3,059	4,682	2,987	895	1,245

Source--Western Wood Products Association, Portland, Oregon.

1Since 1970, California production data include one mill in Nevada.

Table 3--Softwood lumber production in the inland region, by species,  $1972-82\frac{1}{}$  (In million board feet)

YE AR	ALL SOF TWOODS	PONDEROSA PINE	IDAHO WHITE PINE	SUGAR PINE	DOUGLAS-FIR AND LARCH	HEM-FIR2/	ENGELMANN SPRUCE	LODGEPOLE PINE	OTHER SUFTWOODS
1972	10,395	3,964	406	241	2,313	1,891	461	666	453
1973	10,564	3,863	369	230	2,545	1,992	510	692	363
1974	8,973	3,266	267	173	2,382	1,566	330	488	501
1975	8,445	3,269	291	193	1,952	1,476	304	395	565
1976	9,789	3,757	294	201	2,321	1,655	366	451	744
1977	10,309	4,046	293	230	2,343	1,762	434	547	654
1978	10,033	3,970	245	213	2,370	1,724	374	498	639
1979	9,780	3,728	198	201	2,333	1,794	365	419	742
1980	7,613	3,023	166	184	1,644	1,334	262	402	598
1981	7,147	2,770	164	173	1,570	1,147	269	419	635
1982	6,681	2,649	113	141	1,509	1,029	313	376	551

Source--Western Wood Products Association, Portland, Oregon.

<sup>1</sup>Inland region includes eastern Washington, eastern Oreyon, California (except redwood region), Hevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

<sup>2</sup>Western hemlock and white fir. Before 1979, hemlock was included in "OTHER SUFTWOODS"; after 1979, hemlock is included in "HEM-FIR." The historical data are revised to reflect this change.

Table 4--Lumber production in western Washington and western Oregon, by species, 1972-82 (In million board feet)

YEAR	ALL SPECIES	DOUGLAS- FIR	HEM-FIR1	WESTERN REDCEDAR	SITKA SPRUCE	PINES	OTHER SOFTWOODS	HARDWOODS
1972	8,983	5,711	2,495	348	41	241	37	110
1973	9,074	5,659	2,553	369	40	277	36	140
1974	7,777	5,074	1,896	358	32	250	33	134
1975	7,134	4,684	1,683	364	15	233	46	109
1976	8,322	5,363	2,139	367	30	231	64	128
1977	8,796	5,567	2,413	382	21	215	67	131
1978	8,845	5,458	2,444	434	14	277	53	165
1979	8,427	5,228	2,320	346	19	254	81	179
1980	6,815	4,261	1,791	308	7	217	69	102
1981	6,270	3,817	1,660	347	11	198	79	158
1982	5,743	3,570	1,427	335	6	193	56	150

Source--Western Wood Products Association, Portland, Oregon.

 $^{1}$ Western hemlock and white fir combined. Before 1979, data are for white fir only; after 1979, data are for white fir and hemlock combined.

Table 5--Softwood lumber and plywood production in British Columbia, 1972-82

		SOFTWOOD LUMBER PRODUCTION						
YEAR	TOTAL	COAST	INTERIOR	SOFTWOOD PLYWOOD PRODUCTION				
		Million board feet -		MIllion sq ft, 3/8-inch basis				
1972 1973 1974 1975 1976 1977 1978 1979 1980	9,466 10,311 8,783 7,469 10,680 12,038 12,545 12,517 11,979 10,424	4,026 4,367 3,405 2,507 3,988 4,499 4,803 4,657 4,252 3,458	5,440 5,944 5,378 4,962 6,692 7,539 7,742 4,860 7,727 6,966	1965 2,197 1,832 1,778 2,191 2,343 2,510 2,307 2,230 1,923				

Source--Dominion Bureau of Statistics, Ottawa, Canada.

Table 6--Wholesale prices of selected lumber products, 1972-83

(In dollars per thousand board feet)

YEAR	OOUGLAS-FIR STO. ANO BTR., 2 BY 4 RL, 8/12', KO, NET, F.O.B. MILL	PONOEROSA PINE BUARDS, NO. 3, 1 BY 12 RL, KO, NET, F.U.B. MILL	PONOEROSA PINE, NO. 2 SHOP, 6/4 RWRL, S2S, NET, F.O.B. MILL	FIR-LARCH STO. AND BTR., 2 BY 4 RL, 8/20', KD, NET, F.O.B. MILL	SPRUCE-PINE-FIR STD. ANO BTK., 2 by 4 kL, 8/20', KD, NET, F.O.B. MILL
1972	136.00	140.00	177.00	139.00	126.00
1973	177.UOK	189.00	233.00	173.00	152.00
974	144.00	162.00	247.00	136.00	120.00
975	148.00	144.00	205.00	144.00	117.00
976	178.00	188.00	318.00	169.00	151.00
977	213.00	229.00	380.00	202.00	173.00
978	241.00	263.00	459.00	238.00	209.00
979	260.00	309.00	479.00	201.00	225.00
980	209.00	296.00	478.00	201.00	168.00
981	190.00	296.00	483.00	181.00	158.00
982 983	167.00	253.00	357.00	160.00	141.00R
January	230.00	263.00	459.00	212.00	140.00
February	228.00	272.00	521.00	208.00	174.00
March	226.00	250.00	564.00	213.00	181.00
Average, lst quarter	228.00	262.00	515.00	211.00	180.00
April	229.00	251.00	594.00	225.00	185.00
lay	240.00	258.00	599.00	234.00	225.00
June	254.00	272.00	586.00	248.00	238.00
Average, 2d quarter	241.00	260.00	593.00	236.00	216.00
July August September					
Average,					
3d quarter					
October November December					
Average, 4th quarter					
1983 average					
			uarter 1983 change, in	percent	
rom					
1st quarter 1983	5.7	8	15.1	11.8	20.0
2d quarter 1982	45.2	-9.1R	74.4R	50.3	57.7

Source--Random Lengths Publications, Inc.

R = revised.

Table 7--Wholesale prices of selected softwood plywood products, 1972-83 (In dollars per thousand square feet)

dear	SHEATHING, WESTERN EXTERIOR, 3/8-INCH, CD, NET F.O.B. MILL	SHEATHING, SOUTHERN (WEST) 1/ EXTERIOR, 3/8-INCH, CD, NET F.O.B. MILL	SANDED, WESTERN INTERIOR, 1/4-INCH, AD, NET F.O.B. MILL
 1972	92.00	93.00	101.00
1973	107.00	100.00	127.00
1974	92.00	94.00	140.00
1975	99.00	95.00	146.00
1976	127.00	125.00	160.00
977	157.00	159.00	183.00
.978	169.00	174.00	214.00
.979	164.00	156.00	221.00
.980	155.00	155.00	211.00
981	148.00	140.00	203.00
982	135.00	139.00	185.00
983			
January	158.00	162.00	174.00
February	157.00	162.00	178.00
March	152.00	164.00	179.00
Average, 1st quarter	156.00	163.00	177.00
April	150.00	158.00	182.00
May	155.00	163.00	189.00
June	162.00	172.00	196.00
Average, 2d quarter	156.00	164.00	189.00
July August September			
Average, 3d quarter			
October November December			
Average, 4th quarter			
1983 average			
	2d qu	warter 1983 change, in	percent
rom			
1st quarter 1983	0	• 6	6.8
2d quarter 1982	18.2	19.7	0

Source--Random Lengths Publications, Inc.

<sup>1/</sup> Texas, Louisiana, Arkansas.

Table 8--Employment in forest products industries in Washington, Oregon, and Alaska, 1972-83

(In thousands of persons)

	WASH	IINGTON AND UP	REGON		WASHINGTO	Н		OREGON		ALASKA		
YEAR	TOTAL	LUMBER AND WOOD PROOUCTS	PAPER AND ALLIEO PROOUCTS	TUTAL	LUMBER ANO WOOO PRODUCTS	PAPER ANO ALLIEO PROOUCTS	TOTAL	LUMBER AND WOOO PRODUCTS	PAPER ANO ALLIEO PROOUCTS	TOTAL	LUMBER AND WODD PROOUCTS	PULP AND ALLIED PROOUCTS
1972	150.2	122.5	27.7	65.5	47.3	18.2	84.7	75.2	9.5		2.8	$\frac{\frac{1}{2}}{\frac{2}{2}}$ $\frac{1}{2}$ $\frac{1}{2}$
1973	155.3	127.9	27.4	66.8	49.1	17.7	88.5	78.8	9.7		2.3	2/
1974	152.1	124.5	27.6	67.3	49.7	17.6	84.8	74.8	10.0		2.5	2/
.975	137.2	110.8	26.4	60.4	43.8	16.6	76.8	67.0	9.8		2.0	2/
.976	150.9	123.4	27.5	68.4	51.0	17.4	82.5	72.4	10.1	3.4	2.3	$1.\overline{1}$
977	159.2	131.4	27.8	71.6	53.9	17.7	87.6	77.5	10.1	3.6	2.2	1.4
978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8	2.9	1.8	1.1
979	159.0	133.4	25.6	68.4	52.6	15.8	90.6	80.8	9.8	3.0	2.0	1.0
980	144.1	116.1	28.0	64.1	46.5	17.6	80.0	69.6	10.4	3.4	2.3	1.1
981	135.6	108.1	27.5	61.6R	44.4	17.2	74.0	63.7	10.3	2.8	1.9	. 9
982	120.4	94.5	25.9	55.2	39.0	16.2	65.2	55.5	9.7	2.6	1.8	. 8
983	1.00	24.2	05.1	F. 6	20.0	15.0						
January	120.0	94.9	25.1	54.6	38.8	15.8	65.4	56.1	9.3	1.9R	1.1R	. 8
February	122.6	97.7	24.9	55.3	39.7	15.6	67.3	58.0	9.3	2.2R	1.4K	- 8
March	124.5	99.8	24.7	56.2	40.7	15.5	68.3	59.1	9.2	2.6R	1.8R	.8
Average,	122.3	97.4	24.9	55.3	39.7	15.6	67.0	57.7	9.3	2.2R	1.4R	
1st quarter	122.3	37.4	24.3	22.2	39.7	13.0	67.0	3/./	9.3	Z. ZR	1.48	.8
April	126.5	101.5	25.0	57.3	41.6	15.7	69.2	59.9	9.3	2.8	2.2	. 6
May	128.5	103.5	25.0	57.9	42.2	15.7	70.6	61.3	9.3	3.3	2.5	.8
June	133.4P	107.9P	25.5P	59.4P	43.5P	15.9P	74.0	64.4	9.6	3.3	2.5	. 8
Average, 2d quarter	129.5P	104.3P	25.2P	58.2P	42.4P	15.8P	71.3	61.9	9.4	3.1	2.4	.7
July August September												
Average, 3d quarter												
October November December												
Average, 4th quarter												
1983 average												
rom		. <i></i>			- 2d quarter	1983 change	in emplo	yment				
1st quarter 1983	7.2P	6.9P	.3P	2.9P	2.7P	.2P	4.3	4.2	-1	. 9R	1.0R	1
2d quarter		0.51	- 31	~ · J1	//	- L	,		- 1			
1982	9.8P	10.3P	5P	3.3P	3.5P	2P	6.5	6.8	3	2	0	2

Source--State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excludes furniture). The paper and allied products industry includes pulp, paper, paperboard, and building board products. Since April 1974, employment data have been based on place of residence.

 $^1$ Before 1973, data for the pulp and allied products industry are included in the lumber and wood products industry.

 $^{2}$ Withheld to avoid disclosure.

R = revised.

P = preliminary.

Table 9--Employment in forest products industries in California, 1972-83 (In thousands of persons)

YEAR	TOTAL	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS
1972	90.3	52.4	37.9
1973	90.2	54.1	36.1
1974	88.2	50.9	37.3
1975	87.3	52.8	34.5
1976	96.6	59.9	36.7
1977	104.2	66.6	37.6
1978	107.1	69.9	37.2
1979	107.8	68.7	39.1
1980	101.3	62.6	38.7
1981	96.6	57.9	38.7
1981	83.7	46.2	
1983	03.7	40.2	37.5
	70.0	42.0	26.4
January	79.2	42.8	36.4
February	80.4	44.0	36.4
March	73.1	36.4	36.7
Average,			
1st quarter	77.6	41.1	36.5
A = m = 1			
April			
May			
June			
Average,	<del></del>		
2d quarter			
July			
August			
September			
,			
Average,			
3d quarter			
Ostobou			
October			
November			
December			
Average,			
4th quarter			
4-4			
1983 average			
	1st q	uarter 1983 change in	n employment
rom			
	-4.5	-4.2	3
4th quarter 1982			
1st quarter 1982	-4.5R	-3.3R	-1.2R

Source--State of California, Department of Employment. Since April 1974, data have been based on place of residence.

R = revised.

Table 10--Employment in forest products industries in Montana and Idaho, 1972-83 (In thousands of persons)

	iOM	TANA		IDAHO		
YEAR	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS	TOTAL	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS	
1972	9.2	1/	15.2	14.1	1.1	
1973	9.8	$\frac{\frac{1}{1}}{\frac{1}{1}}$ $\frac{\frac{1}{1}}{\frac{1}{1}}$ $\frac{\frac{1}{1}}{\frac{1}{1}}$ $\frac{\frac{1}{1}}{\frac{1}{1}}$	16.3	15.1	1.2	
1974	9.5	$\frac{1}{1}$	15.7	14.6	1.1	
1975 1976	8.1 9.1	$\frac{1}{1}$	16.8 18.6	15.7 17.4	1.1 1.2	
1977	9.3	$\frac{1}{1}$	19.0	17.8	1.2	
1978	10.7	$\frac{-1}{1}$	20.1	18.8	1.3	
1979	11.1	$\overline{\underline{1}}/$	19.9	18.5	1.4	
1980	8.7	$\frac{1}{3}$	17.5	16.1	1.4	
1981 1982	8.8 7.7	$\frac{1}{1}$	16.6	15.1	1.5	
1983	1 • 1	1/	13.6	12.1	1.5	
January	7.0	1/	13.6	12.1	1.5	
February	7.4	$\frac{\overline{1}}{1}$	12.8	11.3	1.5	
March	7.1	$\frac{\frac{1}{1}}{\frac{1}{2}}$	12.7	11.2	1.5	
Average, 1st quarter	7.2	1/	13.0	11.5	1.5	
April	7.3	1/	13.6	12.1	1.5	
May	7.4	$\frac{\underline{1}}{\underline{1}}/$	14.8	13.3	1.5	
June	7.8	<u>1</u> /	16.1	14.6	1.5	
Average, 2d quarter	7.5	1/	14.8	13.3	1.5	
July August September						
Average, 3d quarter						
October November December						
Average, 4th quarter						
1983 average						
		2d quarter 1	.983 change	in employment		
From 1st quarter 1983	• 3		1.8	1.8	0	
2d quarter 1982	2		2.0R	2.0R	Ü	

Source--State employment agencies. Since April 1974, employment data have been based on place of residence.

R = revised.

 $<sup>^{1}\!\</sup>text{Withheld}$  to avoid disclosing figures for individual companies.

Table 11--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In thousand board feet, Scribner scale)

		FROM BOT	'H STATES		FROM WASH	INGTON CUSTOM	S OISTRICT	FROM OREGON CUSTOMS DISTRICT			
YEAR ANO QUARTER	TOTAL	OOUGLAS- FIR	PORT- ORFORD- CEUAR	OTHER SÚF TWOUDS	TUTAL	00UGLAS- FIR	OTHER SOFTWOODS	TOTAL	DOUGLAS- FIR	PORT - ORFORD - CEOAK	OTHER SOF TWOOD
					TO ALL	COUNTRIES					
1972 1973 1974 1975 1976 1977 1978 1978 1979 1980 1981 1982 1st qtr. 2d qtr. 3d qtr.	3,233,652 2,631,817	767,496 864,474 715,514 765,840 945,649 966,763 1,139,267 1,309,179 1,262,210 1,017,154 339,716 365,318 392,460 330,341	36,907 20,966 17,481 24,361 26,576 16,721 24,493 22,693 12,300 15,520 3,725 2,731 1,704	1,832,745 1,753,770 1,456,372 1,435,286 1,764,849 1,572,131 1,683,634 1,901,780 1,357,307 954,485 294,162 242,354 310,532 281,462	1,907,235 1,833,293 1,423,570 1,427,387 1,792,944 1,674,860 1,915,979 2,249,963 1,699,138 1,315,882 405,752 349,134 446,910 394,997	566,487 555,324 404,884 437,290 527,889 556,419 619,500 732,392 645,073 579,034 179,234 171,695 201,785 177,130	1,340,748 1,277,969 1,018,686 990,097 1,265,055 1,118,441 1,296,479 1,517,571 1,054,065 736,848 226,518 177,439 245,125 217,867	729,913 805,917 765,797 798,100 944,130 880,755 931,415 983,689 932,079 671,277 231,851 261,269 257,786 219,945	201,009 309,150 310,630 328,550 417,760 410,344 519,767 617,137 438,120 160,482 193,623 190,675	36,907 20,966 17,461 24,361 26,576 16,721 24,493 22,993 12,300 15,520 3,725 2,731 1,704	491,997 475,801 437,686 445,169 499,794 453,690 387,155 384,209 203,242 217,037 07,644 64,915 65,407
4th qtr.		330,341	3,139	281,402	394,997	1/7,130	217,807	219,945	153,211	3,139	<b>0</b> 3,595
1982 total	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	577,494 609,927	305,497 333,481	1,963 1,486	270,034 274,960	401,147 412,019	181,023 187,493	220,124 224,526	176,347 197,908	124,474 145,988	1,963 1,486	49,910 50,43
1983 total		****									
					ТО	JAPAN					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	2,959,726 2,344,322 1,603,941 490,917 344,717 474,753 427,800	692,308 822,160 638,225 732,264 901,911 933,813 1,103,562 1,279,177 1,175,407 846,474 279,704 196,034 281,511 233,385	36,907 20,966 17,342 24,361 24,573 16,721 22,814 20,611 12,300 15,495 3,725 2,731 1,677 3,139	1,661,948 1,612,359 1,320,008 1,257,619 1,620,553 1,397,791 1,395,509 1,659,938 1,156,615 741,972 207,488 145,952 191,565 191,276	1,678,846 1,663,203 1,237,653 1,255,817 1,623,064 1,490,627 1,630,247 1,998,315 1,488,494 1,003,391 287,202 189,154 271,741 244,806	496,201 520,373 341,890 410,721 491,451 526,255 589,654 705,921 602,605 452,724 133,825 85,725 131,830 106,269	1,182,645 1,142,830 895,763 845,096 1,131,613 970,372 1,040,593 1,292,394 885,889 550,667 153,377 103,429 139,911 138,537	712,317 792,282 737,922 758,427 7923,973 851,098 891,638 961,411 855,828 600,550 203,715 155,563 203,012 182,994	196,107 301,787 290,335 321,543 410,460 407,558 513,908 573,256 572,802 393,750 145,879 110,309 149,681 127,116	36,907 20,966 17,342 24,361 24,573 16,721 22,814 20,611 12,300 15,495 3,725 2,731 1,677 3,139	479,303 469,529 424,245 412,523 488,940 427,419 354,916 367,544 270,726 191,305 54,111 42,523 51,654 52,739
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	409,186 418,508	214,008 241,044	1,963 1,486	193,215 175,978	252,587 253,590	102,641 122,555	149,946 131,035	156,599 164,918	111,367 118,489	1,963 1,486	43,269 44,943

1983 total

Table 11-Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In thousand board feet, Scribner scale)

YEAR ANO QUARTER		FRUM E	BOTH STATES		FROM WA	SHINGTON COSTON	FRUM OREGON CUSTOMS DISTRICT				
	TOTAL	DOUGLAS- F1R	PURT - ORFURD - CEDAK	OTHER SUF TWOODS	TOTAL	00UGLAS- FIR	OTHER SOFTWOODS	TUTAL	DUUGLAS- FIR	PORT - ORFURD- CEOAR	OTHER SUFTWOODS
					TO CA	NADA					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982-	170,582 72,164 73,664 58,506 48,289 15,698 12,638 24,124 985 1,332	43,294 22,265 39,060 16,793 14,803 9,531 9,361 7,737 395 392		127,288 49,899 34,604 41,713 33,486 6,167 3,277 16,387 590 940	159,359 72,164 73,664 58,506 48,289 15,698 12,638 24,124 985 1,332	43,294 22,265 39,060 16,793 14,803 9,531 9,361 7,737 395 392	116,065 49,899 34,604 41,713 33,486 6,167 3,277 16,387 590 940	11,223			11,223
1st qtr. 2d qtr. 3d qtr. 4th qtr.	2,528 1,973 129 127	463 48 40 84		2,065 1,925 89 43	2,528 1,973 129 127	463 48 40 84	2,065 1,925 89 43				
1982 total	4,757	635		4,122	4,757	635	4,122				
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	120 3,014	397	==	120 2,617	12U 3,014	397	12U 2,617	==	ΞΞ		
1983 total											
					TO SOUTH	H KOREA					
1972 1973 1974 1975 1976 1977 1978 1979 1980	47,554 101,929 137,665 79,022 130,069 187,967 307,865 245,314 191,387 147,833	4,419 15,175 36,308 13,946 26,454 21,201 24,844 20,342 11,796 10,919	     	43,135 86,754 101,357 65,076 103,615 166,766 283,021 224,972 179,591 136,914	46,304 96,680 111,580 42,100 117,007 162,252 271,887 227,072 163,988 132,675	4,419 12,063 23,378 9,100 21,068 20,418 20,426 18,653 9,549 9,323	41,885 84,617 88,202 33,000 95,939 141,834 251,461 208,419 154,439 123,342	1,250 5,249 26,085 36,922 13,062 25,715 35,978 18,242 27,399 15,158	3,112 12,930 4,846 5,386 783 4,418 1,689 2,247 1,586		1,250 2,137 13,155 32,076 7,676 24,932 31,560 16,553 25,152 13,572
l982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	58,840 51,309 68,273 76,314	4,644 5,905 7,784 9,476	  	54,196 45,404 60,489 66,838	50,669 38,136 66,427 64,894	4,544 2,737 7,784 8,776	46,125 35,399 58,643 56,118	8,171 13,173 1,846 11,420	100 3,168  700	  	8,071 10,005 1,846 10,720
1982 total	254,736	27,809		226,927	220,126	23,841	196,285	34,610	3,968		30,642
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	60,064 79,983	2,551 11,588		57,513 68,395	53,230 74,359	2,358 11,407	50,872 62,952	6,834 5,624	193 181	==	6,641 5,443
1983 total											
					TO MAINLA	ND CHINA					
1980 1981 1982	87,785 219,237	69,901 149,592		17,884 69,645	43,271 170,779	31,884 111,U58	11,387 59,721	44,514 48,458	38,017 38,534		6,497 9,924
1st qtr. 2d qtr. 3d qtr. 4th qtr.	79,715 203,944 143,635 105,808	53,813 157,466 95,143 83,625	  	25,902 46,478 48,492 22,183	60,090 117,366 98,120 83,186	39,523 82,557 61,115 61,003	20,567 34,809 37,005 22,183	19,625 86,578 45,515 22,622	14,290 74,909 34,028 22,622		5,335 11,669 11,487
1982 total	533,102	390,047		143,055	358,762	244,198	114,564	174,340	145,849		28,491
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	104,596 106,859	86,035 78,958		18,561 27,901	94,305 79,999	75,744 52,098	18,561 27,901	10,291 26,860	10,291 26,860		
1983 total											

Source--0.S. Oppartment of Commerce. Oreyon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 12--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In thousand dollars)

		FROM BC	TH STATES		FROM WASH	HINGTON CUSTOMS	DISTRICT	FROM OREGON COSTOMS DISTRICT			
YEAR ANO QUARTER	TOTAL	00UGLAS- F1R	PORT- UKFORO- CEDAK	OTHER SUFTWOOOS	TOTAL	DOUGLAS- FIK	OTHER SUFTWOODS	TOTAL	ΟυΟGLAS- Fík	PURT- URFURO- CEUAR	OTHER SOFTWOOD
					TO ALL	COUNTRIES					
1979	358,713 694,602 612,521 603,854 775,113 826,698 992,207 1,408,036 1,308,858 882,942	476,653	12,089 15,451 17,550 16,758 20,086 17,049 24,923 24,419 10,596 24,911	245,157 469,734 400,328 384,759 488,504 498,380 553,639 831,527 657,364 381,378	376,706 490,246 526,412 637,818 991,513 835,524 565,564	73,175 120,796 103,586 111,919 141,989 171,541 212,305 331,874 317,744 266,847	179,664 329,106 271,376 264,787 348,257 354,871 425,513 659,639 517,780 298,717	105,874 244,700 237,559 227,148 284,807 300,286 354,339 488,523 473,334 317,378	28,292 88,621 90,551 90,418 124,534 139,728 201,340 292,216 317,154 209,806	12,039 15,451 17,556 16,758 20,087 17,049 24,923 24,419 16,596 24,911	05,493 140,628 129,452 119,972 140,247 143,609 128,126 171,188 139,584 82,601
1st qtr. 2d qtr. 3d qtr. 4th qtr.	275,679 253,213 268,515 217,502	160,428 159,501 157,621 122,704	6,754 5,520 2,713 3,732	108,497 88,192 108,181 91,066	165,812 140,278 164,645 134,354	81,897 74,411 79,637 63,579	83,915 65,867 85,008 70,775	109,867 112,935 103,870 83,148	78,531 85,090 77,984 59,125	6,754 5,520 2,713 3,732	24,582 22,325 23,713 20,291
1982 total	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	195,146 209,168	105,276 117,059	2,847 1,905	87,023 90,204	130,221 138,401	59,513 64,817	70,708 73,584	64,925 70,767	45,763 52,242	2,847 1,905	16,319 16,620
1983 total											
					то	JAPAN					
	335,703 664,363 569,494 560,754 734,412 776,630 908,627 1,387,602 1,190,875 740,943	94,210 201,944 177,961 195,469 256,673 303,248 404,134 612,160 593,484 404,395	12,089 15,451 17,500 16,758 17,918 17,049 22,763 22,271 16,596 24,889	229,404 446,968 374,033 348,527 459,821 456,333 481,730 753,171 580,795 311,659	231,593 422,715 338,296 341,885 457,248 484,006 566,494 910,338 750,369 451,171	65,800 115,022 90,400 107,149 134,894 164,626 204,832 323,034 297,359 213,444	164,793 307,093 247,896 234,736 322,354 319,380 361,662 587,304 455,010 237,727	104,110 241,648 231,198 218,869 277,164 292,624 342,133 477,264 440,506 289,772	27,410 86,922 87,561 88,320 121,779 138,622 199,302 289,126 296,125 190,951	12,089 15,451 17,500 16,758 17,918 17,049 22,763 22,271 16,596 24,889	04,011 139,275 120,137 113,791 137,407 136,953 120,068 105,867 127,785 73,932
1st qtr. 2d qtr. 3d qtr. 4th qtr.	223,023 148,450 187,946 156,924	134,435 87,432 114,656 88,162	6,754 5,520 2,673 3,732	81,834 55,498 70,617 65,030	123,575 77,612 104,744 86,116	62,238 37,512 52,556 38,532	61,337 40,100 52,188 47,584	99,448 70,838 83,202 70,808	72,197 49,920 62,100 49,630	6,754 5,520 2,673 3,732	20,497 15,398 18,429 17,440
1982 total	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233, 647	18,679	71,770
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	146,567 152,519	77,446 88,469	2,847 1,905	66,274 62,145	87,522 91,862	35,794 44,781	51,728 47,081	59,045 60,057	41,652 43,688	2,347 1,905	14,540 15,004

1983 total

Table 12--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In thousand dollars)

		FRUM BU	JTH STATES		FRUM	WASHINGTON CUS	FROM UREGUM CUSTOMS DISTRICT				
YEAR ANO QUARTEK	TUTAL	DOUGLAS- FIR	PURT- OKFORU- CEUAK	OTHER SOF TWOOUS	TUTAL	UOUGLAS- FIR	OTHER SOFTWOODS	TUTAL	UUUGLAS- FIR	PORT- ORFURO- CEDAK	UTHER SUFTWOOD
					TÚ CA	NAOA					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	14,041 9,593 13,821 8,313 7,908 3,545 2,933 7,223 323 463	2,984 2,900 8,239 2,937 2,733 2,154 2,129 2,435 133 173		11,057 6,693 5,582 5,376 6,175 1,391 804 4,788 190 290	13,349 9,593 13,821 8,313 7,908 3,545 2,933 7,223 323 463	2,984 2,900 8,239 2,937 2,733 2,154 2,129 2,435 133 173	10,305 6,693 5,582 5,370 5,175 1,391 804 4,788 190 290	692			692
1st qtr. 2d qtr. 3d qtr. 4th qtr.	487 472 47 62	58 23 19 37	  	429 449 28 25	487 472 47 62	58 23 19 37	429 449 28 25	  			
1982 total	1,068	137		931	1,068	137	931				
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	42 734	 55		42 679	42 734	 55	42 679	==			
1983 total											
-					TO SOUTH	KOREA					
1972 1973 1974 1975 1976 1977 1978 1978 1979 1980	5,094 18,506 28,225 14,757 27,546 44,949 76,839 80,173 71,675 47,481	469 3,468 7,303 2,688 5,664 4,811 6,392 6,982 4,116 4,027	    	4,625 15,038 20,922 12,069 21,882 40,138 70,447 73,191 67,559 43,454	4,939 17,290 22,552 7,912 24,400 38,738 67,974 73,751 62,108 43,048	469 2,725 4,714 1,648 4,350 4,672 5,333 6,378 3,279 3,513	4,470 14,565 17,838 6,264 20,050 34,066 62,641 67,373 58,829 39,535	155 1,216 5,673 6,845 3,146 6,211 8,865 6,422 9,567 4,433	743 2,589 1,040 1,315 139 1,059 604 837 514		155 473 3,064 5,805 1,831 6,072 7,806 5,818 8,730 3,919
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	18,579 16,135 20,701 21,000	1,850 1,911 2,599 2,809	  	16,729 14,224 18,102 18,191	16,070 12,406 20,166 18,015	1,786 1,197 2,599 2,554	14,284 11,209 17,567 15,461	2,509 3,729 535 2,985	64 714  255		2,445 3,015 535 2,730
1982 total	76,415	9,169		67,246	60,657	8,136	58,521	9,758	1,033		8,725
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	16,208 22,775	843 3,224	==	15,365 19,551	14,391 21,177	795 3,159	13,596 18,018	1,817 1,598	48 65		1,769 1,033
1983 total											
					TU MAINLA	ND CHINA					
1980 1981 1982	41,433 88,000	34,285 63,977		7,148 24,023	21,326 67,639	16,692 47,363	4,634 20,276	20,107 20,361	17,593 16,614		2,514 3,747
1st qtr. 2d qtr. 3d qtr. 4th qtr.	31,515 84,797 52,757 38,009	23,577 67,655 36,953 30,514		7,938 17,142 15,804 7,495	23,939 48,870 35,767 29,643	17,554 35,416 24,076 22,148	6,385 13,454 11,691 7,495	7,576 35,927 16,990 8,366	6,023 32,239 12,877 8,366		1,553 3,688 4,113
1982 total	207,078	158,699		48,379	138,219	99,194	39,025	08,859	59,505		9,354
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	31,285 32,554	26,1U8 24,756		5,177 7,798	28,007 24,254	22,830 16,456	5,177 7,798	3,278 8,300	3,278 8,300		
3d qtr.	32,554	24,756		7,798	24,254	16,456	7,798	ა,300	8,300		

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Dregon Customs District includes all Uregon ports and Longview and Vancouver, washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Uata are compiled from Department of Commerce records at the end of each quarter.

Table 13--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In dollars per thousand board feet, Scribner scale)

		FROM	BOTH STATES		FRUH WASI	FRUH WASHINGTON CUSTOMS DISTRICT			FROM OREGON CUSTOMS DISTRICT			
YEAR AND QUARTER	ALL SPECIES	OOUGLAS- FIR	PORT - ORFORU - CEDAR	OTHER SUFTWOOOS	ALL SPECIES	UOUGLAS- FIR	OTHER SOF TWOODS	ALL SPECIES	UUUGLAS- FIR	PURT - URFURO - CEUAR	OTHER SOFTWOOD	
					TO ALL COO	ONTRIES						
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	136.02 263.19 279.77 271.34 283.19 323.48 348.46 435.43 497.32 444.32 432.37 414.83 381.04 353.70	132.21 242.25 271.33 264.20 281.84 321.97 363.08 476.70 503.00 468.61 472.24 436.61 401.62 371.45	327.56 736.97 1,004.29 687.90 755.83 1,019.62 1,017.56 1,076.06 1,349.27 1,605.09 1,813.25 2,021.05 1,591.66 1,188.76	133.76 267.84 275.22 268.07 270.80 317.01 328.84 437.24 484.32 399.56 368.83 363.90 348.37 323.55	132.57 245.41 263.40 263.91 273.43 314.30 332.89 440.68 491.73 429.80 408.65 401.79 368.41 340.14	129.17 217.52 255.84 255.94 268.98 308.29 342.70 453.14 492.57 460.85 456.93 433.39 394.66 358.94	134.UU 257.52 260.40 267.43 275.29 317.26 328.21 434.67 491.22 405.40 370.45 371.21 346.80 324.85	145.05 303.63 310.21 284.61 301.73 340.94 380.48 496.52 507.50 472.80 473.87 432.26 402.93 378.04	140.75 286.66 291.51 275.20 298.10 340.51 387.37 506.62 513.91 478.88 489.35 439.46 408.99 385.91	327.56 736.97 1,004.29 687.90 755.83 1,019.62 1,017.55 1,076.06 1,349.27 1,605.09 1,813.25 2,021.05 1,591.66 1,188.76	133.12 295.56 295.76 269.49 280.61 316.32 330.94 445.56 460.31 379.81 363.41 343.91 354.29 319.07	
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	337.92 342.94	344.61 351.02	1,450.32 1,282.24	322.27 328.06	324.62 335.91	328.76 345.70	321.22 327.73	368.17 357.58	367.65 357.85	1,450.33 1,282.24	326.88 329.54	
1983 average												
					Tu Jai	PAN						
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st atr.	140.39 270.56 288.27 278.39 288.34 330.72 360.30 468.83 507.98 461.95	136.08 245.63 278.84 266.94 284.59 324.74 366.21 478.56 504.92 477.74	327.56 73b.97 1,009.12 687.90 729.17 1,019.62 997.76 1,080.54 1,349.27 1,606.26	138.03 277.21 283.36 277.13 283.74 326.47 345.20 453.73 502.15 420.04	137.95 254.16 273.34 272.24 281.72 323.40 347.49 455.55 504.11 449.65	134.62 221.04 264.41 260.88 274.48 312.83 347.38 457.61 493.35 471.47	139.34 269.24 276.74 277.76 284.86 329.13 347.55 454.43 511.36 431.71	146.16 305.00 313.31 288.58 299.97 343.58 383.71 496.42 514.71 482.51	139.77 288.03 295.48 274.08 290.69 340.13 387.82 504.36 516.98 484.95	327.56 736.97 1,009.12 687.90 729.17 1,019.62 997.76 1,080.54 1,349.27 1,006.26	134.80 296.63 297.32 275.84 281.15 320.42 336.30 451.28 472.01 386.46	
2d qtr. 3d qtr. 4th qtr.	430.64 395.88 366.82	446.01 407.29 377.76	2,021.05 1,594.30 1,188.76	380.25 368.63 339.98	410.31 385.45 351.77	437.58 398.66 362.59	387.71 373.01 343.47	455.36 409.84 386.94	452.55 414.88 390.43	2,021.05 1,594.30 1,188.76	362.10 356.77 330.81	
1982 average 1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	358.19 364.44	428.70 361.88 367.03	1,657.12 1,450.33 1,282.24	370.75 343.01 353.14	394.85 346.50 362.25	417.00 348.73 365.40	375.91 344.98 359.30	435.13 377.05 307.80	438.75 374.01 368.71	1,657.12 1,450.33 1,262.24	357.02 336.18 335.17	

1983 average

Table 13--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In dollars per thousand board feet, Scribner scale)

		FROM	BOTH STATES		FROM WAS	HINGTON CUSTO	MS DISTRICT	FKU	i OREGON CUST	OHS OISTR	ICT
YEAR ANO QUARTER	ALL SPECIES	DOUGLAS- FIR	PORT - ORFORO - CEÙAR	OTHER SOF TWOODS	ALL SPECIES	00UGLAS- FIK	OTHER SUFTWOODS	ALL SPECIES	DOUGLAS- FIR	PORT- DRFORD- CEDAK	OTHER SUFTWOOD:
					TU CAN	AOA					
1972 1973 1974	82.31 132.94 187.62	68.93 130.26 210.93		86.86 134.14 161.31	83.77 132.94 187.62	68.93 130.26 210.93	80.30 134.14 161.31	61.60			61.06
1975 1976	142.09 163.76	174.89 184.62		128.88 154.54	142.U9 163.76	174.89 184.62	128.88 154.54				
1977	225.82	226.00		225.56	225.82	226.00	225.56				
1978 1979	232.08 299.41	227.43 314.72		245.35 292.78	232.08 299.41	227.43 314.72	245.35 292.18				
1980 1981	327.92 347.60	336.71 441.33		322.03 308.51	327.92 347.60	336.71 441.33	322.03 308.51				
1982											
1st qtr. 2d qtr.	192.82 239.10	125.96 474.38		2U7.82 233.23	192.82 239.10	125.96 474.38	207.82 233.23				
3d qtr.	366.17	471.58	~ ~	318.80	366.17	471.58	318.80				
4th qtr.	487.47	441.27		571.86	487.47	441.27	571.86				
1982 <b>av</b> erage	224.51	215.75		225.86	224.51	215.75	225.86				~-
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	346.55 243.55	137.46		346.55 259.64	346.55 243.55	137.46	346.55 259.64				
						<del></del>					
					то ѕоитн	KOREA					
1972 1973	107.12 181.54	106.10 228.47		107.22 173.34	106.66 178.83	106.10 225.89	106.72 172.12	124.00 231.52	238.47	~-	124.UU 221.40
1974	205.03	201.12		206.43	202.12	201.62	202.26	217.47	200.23		234.41
1975 1976	186.74 211.78	192.74 214.11		185.46 211.19	187.93 208.53	181.10 206.47	189.82 208.93	185.39 240.77	214.61 244.77		180.98 238.54
1977	239.13	226.92		240.68	238.75	228.82	240.18	241.53	177.52		243.54
1978 1979	249.59 326.82	257.28 343.23		249.02 325.33	250.01 324.79	261.09 341.93	249.11 323.26	246.40 352.05	239.70 357.61		247.34 351.48
1980	374.50	348.93		376.18	378.74	343.39	380.92	349.17	372.50		347.09
1981 1982	321.18	368.81		317.38	324.46	376.41	320.53	292.45	324.29		288.76
1st qtr.	315.76	398.43		308.68	317.06	393.11	309.08	307.05	640.00	~ -	302.92
2d qtr. 3d qtr.	314.45 303.22	323.56 333.84		313.27 299.27	325.30 303.58	437.30 333.84	316.64 299.57	283.04 290.00	225.29		301.33 290.00
4th gtr.	275.17	296.39		272.17	277.60	290.99	275.51	261.39	364.07		254.68
1982 average	299.98	329.71	<b>*</b> -	296.33	302.81	341.26	298.14	281.94	260.32		284.74
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	269.84 284.75	330.54 278.24		267.15 285.85	270 • 36 284 • 80	337.14 276.99	267•26 286•22	265.85 284.04	250.01 357.48		266-31 281-60
1983 average											
					TO MAINLAN	D CHINA					
1980 1981	471.98 401.39	490.48 427.68		399.69 344.94	492.85 396.06	523.52 426.47	406.96 339.51	451.70 420.18	462.77 431.15		386.95 377.57
1981 1982 1st qtr.	395.35	438.14		306.46	398.39	444.16	310.44	386.03	421.46		291.14
2d gtr.	415.79	429.65		368.81	416.39	428.99	386.51	414.97	430.38		316.03
3d qtr. 4th qtr.	367.30 359.23	388.40 364.90		325.91 337.89	364.53 356.35	393.95 363.07	315.94 337.89	373.29 369.82	378.44 369.82		358.02
1982 average	388.44	406.87	~~	338.18	385.27	406.20	340.64	394.97	407.99		328.31
1983 1st qtr.	299.10	303.46		278.91	296.98	301.41	278.91	318.50	318.50		
2d qtr. 3d qtr. 4th qtr.	304.65	313.54		279.48	303.18	315.87	279.48	309.02	309.02		

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Uregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 14--Softwood log exports from northern California ports, by species and destination,  $1972\text{-}63^{\scriptsize 1}$ 

(In thousand board feet, Scribner scale)

YEAR ANO QUARTER	TOTAL	OOUGLAS-FIR	PORT-UKFORO- CEOAR	OTHER SOFTWOODS
		TO ALL COUNTRIES		
1972 1973	77,459 104,733	18,337 34,454	3,418 4,065	55,704 66,214
1974	77,735	35,146	8,823	33,766
1975	86,943	52,547	2,483	31,913
1976 1977	109,812 70,902	73,924 38,302	2,508 2,331	33,380 30,209
1978	72,650	49,024	2,880	20,746
1979 1980	65,492 31,672	37,551 7,287	1,611 653	26,330 23,732
1981 1982	25,586	5,890	1,381	18,31
1st quarter 2d quarter	4,992 1,224	2,066 43		2,926 1,181
3d quarter	3,875	2,058		1,81
4th quarter	9,416	8,442	6	968
1982 total	19,507	12,609	6	6,89
1983 1st quarter	9,263	2,675	300	6,288
2d quarter 3d quarter 4th quarter	4,414	951		3,46
1983 total				
		TO JAPAN		
1972 1973	68,830 94,520	15,914 29,261	3,418 4,065	49,498
1974	69,271	32,485	8,823	27,963
1975 1976	78,813 96,485	48,188 69,395	2,483 2,853	28,142 24,231
1977	57,815	37,765	2,331	17,719
1978	58,760	48,653	1,757	8,350
1979 1980	57,938 27,180	37,411 7,055	1,611 653	18,910 19,472
1981	20,708	1,024	1,381	18,303
1982 lst quarter	3,526	600		2,926
2d quarter	66			66
3d quarter	3,854	2,055	 6	1,799
4th quarter	1,576	615		955
1982 total	9,022	3,270	6	5,746
1983 1st quarter	9,261	2,675	300	6,286
2d quarter 3d quarter	4,414	951		3,463
4th quarter				
1983 total				
	7	TO MAINLAND CHINA		
1982				
lst quarter	1,466	1,466		
2d quarter 3d quarter				
4th quarter	7,826	7,816		10
1982 total	9,292	9,282		10
1983	0			
lst quarter 2d quarter	2			2
3d quarter 4th quarter				

Source--U.S. Department of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

 $1 \mbox{Northern}$  California consists of the San Francisco Customs Oistrict and includes Monterey, California, and all ports north of Monterey.

Table 15--Softwood log exports by State and port, Washington, Oreyon, and northern California, 1972-83 (In million board feet, Scribner scale)

ANACORTES,

BELLINGHAM

ABERDEEN

YEAR ANO

QUARTER

1983 total

YUNKIEK	AUERUEEN	DELETING	INN'I LYL	NEII	LONGATEN	OL INF IA	ANGLEES	TACOPIA	MASULINGTON	OTHER	TOTAL
1972	525.1	100.9	26	0. ()	001 2	144.6	285.6	517.4	A 11	45	
				8.9	221.3			517.4	0.2	45.8	2,109.8
1973	491.5	84.5		0.4	328.7	86.9	306.0	511.1	U	54.0	2,113.7
1974	396.2	49.2		7.7	300.2	61.5	273.5	383.0		48.4	1,729.7
1975	366.8	32.2		0.0	261.3	48.6	284.7	469.2		32.9	1,725.7
1976	502.1	30.5		7.2	397.4	7.5	324.5	623.7	0	28.5	2,191.4
1977	402.1	42.1		7.7	328.2	68.7	304.6	607.6		12.0	2,003.0
1978	512.2	41.1		1.8	325.8	87.1	387.2	559.7		7.0	2,241.0
1979	648.7	50.9	33	2.8	366.1	101.0	505.0	601.7		9.9	2,616.1
1980	498.2	38.0	28	7.3	387.0	80.2	295.1	497.1	.1	3.1	2,086.1
1981	414.3	16.7	20	8.4	215.9	47.3	168.0	446.2	. I	14.9	1531.8
1982											
1st quarter	124.8	2.3	8	2.0	92.3	18.2	31.2	137.3		9.9	498.0
2d quarter	146.6	5.0		6.6	106.8	19.8	34.6	86.1		.4	455.9
3d quarter	151.7	3.7		4.4	95.1	14.4	51.2	128.3		3.2	542.0
4th quarter	129.2	0		7.3	80.3	10.2	35.6	142.4	U	.4	475.4
4th quarter	129.2		,	7.3	00.3	10.2	22.0	142.4	0	• 4	4/3.4
1982 total	552.3	11.0	31	0.3	374.5	62.6	152.6	494.1		13.9	1,971.3
1983											
1st quarter	154.0	.2	6	1.0	67.8	12.3	47.0	126.4	υ	.2	468.9
2d quarter	151.5			5.4	85.4	12.4	46.9	135.6		.2	497.4
3d quarter	10110							20000			
4th quarter											
Ten quarter											
1983 total											
		STAT	TE OF OREG	ON1	,			NORTHERN CAL	IFURNIA <sup>2</sup>		
YEAR ANO QUARTER	ASTORIA	COOS BAY	PORTLANO	OTHER	TOTAL	EUREK	A SACRAN	MENTO STOC	KTON OTHER	TOTAL	
1972	262.6	121.0	115.5	9.4	508.5	51.9	2.	.8 19	0.4	75.U	
1973	147.1	155.5	159.8	21.3	483.7	79.6	16.	.2 8	.7 .2	140.7	
1974	159.0	128.1	139.8	24.8	451.7	67.5			.8 .2	81.3	
1975	245.7	134.1	137.5	44.5	561.8	66.6			1.4	87.9	
1976	273.3	144.6	99.5	28.0	545.4	83.7				109.8	
1977	210.2	120.1	207.0	15.4	552.7	39.2				71.0	
1978	168.4	145.1	277.0	15.0	605.5	46.1			8.2	72.7	
			322.0			43.0					
1979	150.1	128.2		17.2	617.5					65.6	
1980	134.7	135.2	275.8	0	545.7	14.9			.5 12.3	31.6	
1981 1982	73.3	113.8	268.2	0	455.3	6.6	13.	.3 0	5.6	25.5	
1st quarter	24.3	34.6	80.5	0	139.4	2.9		.7 0		3.6	
2d quarter	15.0	62.3	74.9	2.3	154.5	1.1	0	U	Ú	1.1	
3d quarter	23.8	50.6	88.3	0	162.7	2.6		Ú	1.2	3.9	
4th quarter	30.2	43.6	65.8	0	139.6	9.4				9.4	
1982 total	93.3	191.1	309.5	2.3	596.2	16.0		. 7 U	1.2	17.9	
1983											
1st quarter	17.1	38.6	52.9	0	108.6	3.0	6.	.3 0	0	9.3	
2d quarter 3d quarter	15.4	31.5	65.6	0	112,5	4.4		0		4.4	

STATE OF WASHINGTON 1

EVERETT LONGVIEW OLYMPIA ANGELES TACOMA

PORT

NORTHEASTERN WASHINGTON OTHER TOTAL

Source--U.S. Department of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

<sup>1</sup>State totals as presented here for Washington and Oregon do not agree with those found in table 11 because customs districts as used in table 11 do not correspond to State boundaries.

<sup>2</sup>Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Table 16--Average value of softwood log exports by State and port, Washington, Oreyon, and northern California, 1972-83 (In dollars per thousand board feet, Scribner scale)

					STATE OF WA	SH1NG TON <sup>1</sup>				
YEAR ANO QUARTER	A8EROEEN	ANACORTES, 8ELL1NGHAM	EVERETT	LONGVIEW	OLY11P1A	PORT ANGELES	TACOI4A	NORTHEASTERN WASHINGTON	OTHER	AVERAGE
1972	134.28	128.21	129.47	144.82	146.76	129.52	131.82	140.73	123.50	133.86
1973	264.23	211.35	258.69	288.82	284.15	215.32	262.90	0	229.45	257.80
1974	266.16	261.07	257.85	292.13	282.38	246.79	274.24		262.10	268.58
1975	256.17	297.84	273.29	280.90	273.90	253.46	266.63		279.01	266.30
1976	269.90	293.96	287.08	302.53	302.53	261.25	277.21	U	252.97	277.26
1977	311.97	296.28	309.82	336.01	331.68	294.59	327.76		263.80	317.86
1978	332.92	295.77	334.87	379.57	347.93	319.97	340.91		344.67	339.68
1979	452.52	376.18	455.44	518.19	499.12	424.46	428.19		492.38	451.64
1980	490.53	414.44	473.47	506.59	510.63	472.08	523.11	280.95	538.84	495.70
1981	394.52	461.88	412.74	462.85	447.21	396.82	473.08	307.74	3.00	428.32
1982										
1st quarter	380.65	426.87	400.05	468.48	344.77	330.56	494.55		361.85	426.93
2d quarter	384.93	345.24	393.68	431.73	392.29	393.59	444.10		516.93	408.80
3d quarter	345.40	382.35	365.02	381.49	335.77	345.14	410.92		365.30	370.75
4th quarter	305.42		314.24	394.39	349.98	385.10	373.17	Ó	542.07	349.31
1982 average	354.51	374.42	366.86	420.02	358.61	362.47	429.08		372.14	388.57
1983										
1st quarter	303.16	333.33	330.21	356.07	409.69	352.28	329.46	0	371.31	329.36
2d quarter	312.44		334.46	356.59	457.21	325.38	354.57		876.79	339.46
3d quarter										
4th quarter										

1	Ω	.5	a	11	^	**	5	Λ	0

		STA	TE OF OREGON <sup>1</sup>		NORTHERN CALIFORNIA <sup>2</sup>					
EAR ANO WARTER	ASTORIA	COUS BAY	PORTLAND	OTHER	AVERAGE	EUREKA	SACRAMENTO	STOCKTON	OTHER	AVERAGE
972	127.03	194.93	144.27	140.31	147.35	129.24	189.29	179.64	129.17	144.52
.973	321.16	348.95	289.64	257.16	316.88	219.99	226.77	296.78	363.54	227.72
.974	300.21	363.95	302.18	291.33	318.41	295.56	317.05	328.16	252.62	299.55
.975	236.89	349.97	316.25	271.48	286.03	256.07	368.11	0	452.10	284.02
.976	267.63	372.46	337.44	253.76	307.45	292.15	367.73	0		312.31
. 977	338.29	409.01	328.22	318.00	349.32	333.34	337.06	U	338.45	335.14
.978	325.32	512.44	366.77	330.78	389.23	353.99	362.18		372.07	358.09
.979	461.34	592.98	455.51	381.59	483.38	336.29	393.19	0	447.84	369.05
.980	452.99	604.08	488.22	0	508.23	462.98	485.28	379.65	535.17	492.37
.981 .982	340.14	635.05	448.55	0	477.76	537.93	492.22	0	422.02	488.61
1st quarter	374.36	662.94	428.37		477.27	254.98	279.64	0		269.51
2d quarter	356.55	495.97	395.56	420.00	432.61	382.60		0		384.06
3d quarter	320.14	444.68	424.05		415.29	309.34		0	429.34	346.75
4th quarter	273.91	445.04	361.47		368.63	361.07		0		363.40
1982 average	325.14	501.04	404.96	420.00	423.35	334.72	279.64	0	469.52	342.13
.983										
1st quarter	296.53	434.13	357.26	0	375.04	424.42	378.55	0	0	396.64
2d quarter 3d quarter 4th quarter	280.88	392.41	358.59	0	357.45	251.83	0	0		254.78

1983 average

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

1State averages as presented here for Washington and Oregon do nut agree with those found in table 13 because customs districts as used in table 13 do not correspond to State boundaries.

2Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Table 17--Volume and average value of softwood log exports from Alaska ports by destination, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

YEAR AND QUARTER	VOLUME	AVERAGE VALUE
	TO ALL COUNTRIES	
1972	65,837	125.88
1973	71,719	248.23
1974 1975	34,949 29,011	240.82 307.97
1976	26,197	224.59
1977	52,377	263.54
1978	68,025	320.45
1979 1980	128,597	470.97 532.56
1981	160,523 149,187	480.54
1982	,	
1st quarter	13,052	510.48
2d quarter 3d quarter	51,503 83,964	491.59 488.14
4th quarter	92,604	457.95
1982 total and	041.103	470.40
average value	241,123	478.49
1983 1st quarter	33,522	404.75
2d quarter	63,788	440.78
3d quarter		
4th quarter 1983 total and		
average value		
	TO JAPAN	
1972	61,882	129.99
1973	71,705	248.24
1974 1975	29,088 24,311	252.71 352.29
1976	20,741	253.18
1977	46,897	278.99
1978	57,653	343.49
1979 1980	120,753 156,275	475.21 533.22
1981	141,209	491.44
1982		
1st quarter	12,145	527.07 498.07
2d quarter 3d quarter	47,688 74,304	494.01
4th quarter	85,563	468.33
1982 total and		
average value	219,700	486.71
1983	20.450	403 04
1st quarter 2d quarter	28,469 56,182	421.84 462.00
3d quarter	00,102	102100
4th quarter		
1983 total and average value		
	TO MAINLAND CHINA	
1981 1982- <i>-</i>	3,205	377.57
1st quarter	0	
2d quarter	0	
3d quarter 4th quarter	U 0	
_	V	
1982 total and average value	0	
1983		
1st quarter	0	
2d quarter 3d quarter	U	
4th quarter		
1983 total and		
and cocar and		

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 18--Volume and value of hardwood log exports from ports of Washington, Oregon, Alaska, and northern California, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars)

YEAR ANO QUARTER		SHINGTON MS 01STR1CT		REGON S 01STR1CT		ALASKA MS DISTRICT		RANCISCO S DISTRICT
	MULION	VALUE	VOLUME	VALUE	VOLU:1E	VALUE	VOLUME	VALUE
			Т	O ALL COUNTR	IES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	2,999 1,812 633 1,599 3,750 2,735 2,362 2,597 6,826 3,416	882,806 1,351,759 1,121,192 637,455 1,646,972 2,117,386 2,190,449 2,216,256 5,153,711 3,173,191	68 36 45 73 236 189 75 341 2,026 439	133,979 57,747 95,342 103,519 136,188 87,839 91,436 420,741 764,511 470,373	0 0 0 0 0 0 11 138 186 0	19,250 253,716 44,950	1,320 1,084 560 3,911 659 1,396 1,772 1,272 900 683	2,015,855 2,330,761 1,515,476 780,853 1,239,777 2,751,996 4,088,466 3,049,981 2,260,961 1,422,547
1st quarter 2d quarter 3d quarter 4th quarter	757 1,276 1,098 657	570,264 975,968 596,836 751,733	75 12 236 12	84,642 34,519 56,494 41,808	0 0 0	  	133 371 83 31	287,243 849,259 193,891 33,834
1982 total	3,788	2,894,801	335	217,463	0		623	1,364,227
1983 1st quarter 2d quarter 3d quarter 4th quarter	1,926 719	1,000,110 486,610	34 7	60,676 9,100	0		32 20	73,503 16,787
1983 total								
				TO JAPAN				
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	1,374 993 540 1,210 3,313 1,444 1,178 1,824 4,786 2,037	727,475 1,164,704 1,063,245 562,583 1,416,317 1,179,616 819,332 1,153,644 1,969,245 2,162,473	64 34 37 14 235 17 57 300 1,964 229	130,060 56,842 84,293 9,039 134,988 33,347 84,025 359,119 726,891 264,161	0 0 0 0 0 0 0 0 0 74 182	188,389 42,200	1,126 1,015 485 3,803 456 1,063 1,248 1,059 579 310	1,761,797 2,250,213 1,093,502 636,796 1,005,649 2,300,667 3,059,204 2,339,089 1,532,496 742,998
1982 1st quarter 2d quarter 3d quarter 4th quarter	225 350 482 408	170,982 515,986 124,445 400,666	7 12 13 3	11,107 34,519 12,070 6,808	0 0 0		89 275 48 5	193,489 615,675 94,040 8,788
1982 total	1,465	1,212,079	35	64,504	0		417	911,992
1983 1st quarter 2d quarter 3d quarter 4th quarter	529 174	495,749 176,659	22 7	22,516 9,100	0		32 20	73,503 10,787
1983 total								
			TC	) MAINLANO CH	INA			
1980 1981	6 0	2,800			0		 U	
1982 1st quarter 2d quarter 3d quarter 4th quarter	45 0 0 0	45,000   	0 0 0	  	0 0 0	  	0 0 0	  
1982 total 1983 1st quarter 2d quarter 3d quarter 4th quarter	45 0	45,000	0 D		0		0	
1983 total								

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oreyon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Alaska Customs District is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey, California.

Table 19--Log exports from southern California ports, by species, 1972-83

(In thousand board feet, Scribner scale)

631	203		
4 4 5	203	92	336
445	214	5	226
378	32	130	216
		224	53
			315
			780
			632
			1,468
			244
/ 38	88	186	464
200	3	27	179
_			71
			14
	_		41
797	281	211	305
20	0	0	20
93	0	22	71
	20	2,396 1,411 1,360 169 1,721 172 2,117 290 1,149 295 738 88  209 3 103 4 56 0 429 274  797 281	2,396       1,411       670         1,360       169       411         1,721       172       917         2,117       290       359         1,149       295       610         738       88       186         209       3       27         103       4       28         56       0       42         429       274       114    797 281 211

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions which may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 20--Volume and average value of softwood log exports to Canada from the Montana Custom's District,  $1972-83\frac{1}{2}$ 

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

	ALL	SPECIES	DOUGLA	S-FIR	OTHER S	OF TWOODS
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
1972	392	113.71	19	162.89	373	111.20
1973	379	177.58	93	261.16	286	150.40
1974	925	178.24	19	149.05	906	178.86
1975	739	226.93	72	274.78	667	221.70
1976	571	228.43	103	254.08	468	222.78
977	1,227	247.66	467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0	-	3,906	168.47
1980	699	239.88	36	303.53	663	236.42
1981	477	362.68	123	475.06	354	323.64
1982						
1st quarter	142	273.20	16	203.81	126	232.01
2d quarter	64	349.36	0		64	349.36
3d quarter	58	340.50	0		58	340.50
4th quarter	154	250.44	U		154	250.44
1982 total and average value	418	285.81	16	203.81	402	289.07
1983						
1st quarter	63	310.65	0		63	610.65
2d quarter 3d quarter 4th quarter	317	254.09	õ		317	254.09

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

<sup>1</sup>Montana Customs District includes all ports in Montana and Idaho.

Table 21--Log exports from British Columbia ports, by species and destination,  $1972-83\frac{1}{}$ /
(In thousand board feet, British Columbia log scale)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS- FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO ALL	COUNTRIES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	48,932 72,310	836 1,852 11,790 2,406 5,390 10,085 8,592 2,431 8,907 856 169 5,360 17,262 25,401	13,956 9,750 31,528 18,914 39,069 118,085 24,467 56,504 106,193 98,579 24,488 13,416 17,169 20,658	18,477 7,441 67,843 19,373 21,901 36,048 45,143 56,954 49,590 24,616 11,263 8,730 9,655 8,357	14,958 13,647 27,355 41,416 41,959 19,835 49,767 43,201 36,756 37,774 9,972 9,928 9,830 10,716	3,965 1,211 4,973 1,505 3,346 754 530 4,135 12,155 18,943 5,168 9,742 12,973 9,204	3,674 1,815 5,312 2,188 4,528 1,704 354 5,882 18,183 3,713 4 1,756 5,421 6,250
1982 total 1983 1st quarter 2d quarter 3d quarter 4th quarter	·	44,710 30,266	75,731 41,072 27,731	38,005 4,176 3,065	17,U97 12,U59	37,087 17,360 7,811	13,431 11,021 26,696
1983 total			TO	JAPAN			
							· · · · · · · · · · · · · · · · · · ·
1972 1973 1974 1975	46,059 29,239 80,655 61,728 67,192	567 1,293 2,167 1,460 792	13,478 8,058 22,968 10,477 17,026	13,412 6,205 31,915 7,696 7,343 23,413	14,938 13,284 16,503 39,470 39,905	3,664 399 2,304 1,253 470 201	0 0 4,798 1,372 1,656 0
1976 1977 1978 1979 1980 1981	109,301 90,001 120,297 154,824 131,321	5,106 4,094 1,894 1,692 698	65,092 16,890 49,281 61,500 71,645	24,038 27,597 35,346 17,427	15,489 44,814 35,883 36,157 31,541	99 3,636 6,939 10,010	66 2,056 13,190 0
1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	90,001 120,297 154,824 131,321 41,921 14,779 41,823	4,094 1,894 1,692	16,890 49,281 61,500	24,038 27,597 35,346	44,814 35,883 36,157	99 3,636 6,939	66 2,056 13,190
1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter	90,001 120,297 154,824 131,321 41,921 14,779 41,823	4,094 1,894 1,692 698 163 84 6,187	16,890 49,281 61,500 71,645 18,649 4,177 12,879	24,038 27,597 35,346 17,427 11,263 3,286 5,257	44,814 35,883 36,157 31,541 9,530 4,211 8,461	99 3,636 6,939 10,010 2,316 3,021 8,413	66 2,056 13,190 0 0 0 0

Table 21--Log exports from British Columbia ports, by species and destination,  $1972-83\frac{1}{2}$  (continued) (In thousand board feet, British Columbia log scale)

TOTAL, ALL SPECIES	DOUGLAS- FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOF TWOODS	HARDWOODS
		TO UNI	TED STATES			
9,807 6,471 68,146 23,354 48,911 74,442 32,843 48,810 76,955 50,324 9,143 18,413 15,114	269 559 9,623 946 4,598 4,979 4,498 537 7,215 158	478 1,692 8,560 7,717 22,043 50,817 6,039 7,223 44,693 26,934 5,839 6,732 5,910	5,065 1,236 35,928 11,677 14,558 12,043 19,144 29,357 14,244 7,189 0 3,619 2,960	20 363 10,852 1,946 1,964 4,346 2,443 7,368 594 4,340 442 775 1,369	301 812 2,669 252 2,876 553 431 499 5,216 8,879 2,852 6,436 4,560	3,674 1,809 514 816 2,872 1,704 288 3,826 4,993 2,824
21,7.30	1,433	4,760	4,120	3,109	6,196	1,606
63,900	1,524	23,241	10,705	5,695	20,044	2,691
20,371 23,402	2,790 1,441	5,398 16,763	370 0	2,443 2,512	7,562 1,553	1,808 1,133
		TO MAIN	NLAND CHINA			
0 9,023 11,030 26,636	0 5,226 11,030 22,197	0 0 0	0 0 0	3,787 0 0	0 0 0	0 0 4,472 4,439
46,689	38,463	0	0	3,787	U	8,911
43,124 44,220	25,924 18,686	0	0	3,096 0	4,891 0	9,213 25,534
	9,807 6,471 68,146 23,354 48,911 74,442 32,843 48,810 76,955 50,324 9,143 15,114 21,230 63,900 20,371 23,402	9,807 269 6,471 559 68,146 9,623 23,354 946 48,911 4,598 74,442 4,979 32,843 4,498 48,810 537 76,955 7,215 50,324 158  9,143 6 18,413 40 15,114 45 21,230 1,433  63,900 1,524  20,371 2,790 23,402 1,441  0 0 9,023 5,226 11,030 11,030 26,636 22,197  46,689 38,463  43,124 25,924	### ALL SPECIES FIR HEMLOCK    TO UNI	TO UNITED STATES  7,807 269 478 5,065 6,471 559 1,692 1,236 68,146 9,623 8,560 35,928 23,354 946 7,717 11,677 48,911 4,598 22,043 14,558 74,442 4,979 50,817 12,043 32,843 4,498 6,039 19,144 48,810 537 7,223 29,357 76,955 7,215 44,693 14,244 50,324 158 26,934 7,189  9,143 6 5,839 0 18,413 40 6,732 3,619 15,114 45 5,910 2,960 21,230 1,433 4,760 4,126  63,900 1,524 23,241 10,705  20,371 2,790 5,398 370 23,402 1,441 16,763 0  TO MAINLAND CHINA  TO MAINLAND CHINA  TO MAINLAND CHINA  A O O O O O O O O O O O O O O O O O O	TO UNITED STATES  TO UNITED STATES  9,807 269 478 5,065 20 6,471 559 1,692 1,236 363 68,146 9,623 8,560 35,928 10,852 23,354 946 7,717 11,677 1,946 48,911 4,598 22,043 14,558 1,964 74,442 4,979 50,817 12,043 4,346 32,843 4,498 6,039 19,144 2,443 48,810 537 7,223 29,357 7,368 76,955 7,215 44,693 14,244 594 50,324 158 26,934 7,189 4,340  9,143 6 5,839 0 42 18,413 40 6,732 3,619 775 15,114 45 5,910 2,960 1,369 21,230 1,433 4,760 4,126 3,109  63,900 1,524 23,241 10,705 5,695  20,371 2,790 5,398 370 2,443 23,402 1,441 16,763 0 2,512  TO MAINLAND CHINA  TO MAINLAND CHINA   TO MAINLAND CHINA  A6,689 38,463 0 0 3,787 43,124 25,924 0 0 3,096	TO UNITED STATES  TO UNITED STATES  1,807

Source--Bureau of Economics and Statistics, Department of Industrial Development, Trade, and Commerce, Victoria, B.C., "Preliminary Statement of External Trade."

<sup>&</sup>lt;sup>1</sup>Figures do not include shipments of pulpwood logs.

Table 22--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

YEAR AND QUARTER	VOLUME	AVERAGE VALUE
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter	8,451 2,102 31,625 55,494 44,438 91,962 41,307 75,855 51,828 33,985	80.44 124.71 248.69 207.13 122.62 194.93 271.29 298.89 233.08 319.77
3d quarter 4th quarter	13,146 25,102	304.62 304.55
1982 total and average value	59,492	313.27
1983 1st quarter 2d quarter 3d quarter 4th quarter	27,366 9,803	255.60 161.82
1983 total and average value		

Source--U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

Table 23--Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1972-83

	CHIPPED P	PULPWOOD	ROUNDWOO	D PULPWOOD
YEAR AND QUARTER	VOL UME	VALUE	VOLUME	VALUE
	Short tons	Dollars	Cords	Dollars
1972	909,926	9.87	2,300	47.56
1973	1,085,124	11.19	16	97.06
1974	623,830	15.55	31,998	60.08
1975	493,761	23.36	11,517	42.90
1976	877,550	20.98	1,967	32.14
1977	1,056,102	18.59	16,674	91.19
1978	1,215,483	16.37	0	
1979	1,039,458	17.19	0	
1980	1,185,701	26.77	57,337	66.64
1981	1,160,507	32.33	23,084	130.11
1982				
1st quarter	350,630	33.44	0	
2d quarter	357,400	35.98	7,659	118.52
3d quarter	275,629	29.92	661	379.31
4th quarter	264,154	27.57	0	
1982 total and				
average value	1,247,813	32.15	8,320	139.24
1983				
1st quarter	337,359	26.69	0	
2d quarter	371,580	23.22	0	
3d quarter 4th quarter	,			
1983 total and			***	
average value				

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 24--Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1972-83

(In short tons, ovendried basis; average value in dollars per short ton)

	WASHIN CUSTOMS DI		OREGO CUSTOMS DI		SAN FRA CUSTOMS	ANCISCO DISTRICT		ASKA DISTRICT
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
1972	168,725	19.56	2,081,032	22.12	253,401	27.76	20,158	25.76
1973	272,196	21.84	2,778,829	24.85	369,403	24.41	0	
1974	390,370	28.62	3,177,465	26.50	242,017	30.69	34,828	28.99
1975	326,083	38.56	2,436,807	34.74	257,735	28.96	32,399	48.51
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
1977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982								
1st quarter	83,962	88.46	502,602	83.30	57,573	85.69	0	
2d quarter	64,361	75.43	475,798	83.38	71,127	76.73	27,430	56.53
3d quarter	74,513	83.00	500,303	84.57	25,212	88.67	32,404	77.99
4th quarter	105,538	71.67	435,736	81.80	42,380	88.18	14,330	72.44
1982 total and								
average value	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983								
1st quarter	69,722	75.40	400,690	70.19	57,310	67.87	6,645	34.67
2d quarter	64,243	74.74	441,218	70.65	116,439	67.39	0	
3d quarter 4th quarter	0.,2	, 10,	• y =	, 0.00	,	3, 133		
1983 total and average value								

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Washington Customs District includes all ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Alaska Customs District is the State of Alaska.

Table 25--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1972-83\frac{1}{2}$ /
(In thousand board feet)

		FROM	80TH STATE	S	FROM	WASHINGTON	CUSTOHS D	ISTRICT	FR	OH OREGON CU	STOMS OISTR	ICT
YEAR ANO QUARTER	TOTAL	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOODS	TOTAL	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT - WOODS	TOTAL	DOUGLAS- FIR	WESTERN HEMLOCK	OTHER SUFT- WOODS
						LL COUNTRIE	S					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	406,493 799,631 719,729 616,883 698,941 549,059 585,588 839,895 984,882 933,739 230,902 236,114 177,462 243,923	321,761 532,321 496,978 415,152 478,100 372,609 374,032 427,063 449,123 451,075 106,344 120,027 92,221 100,671	30,772 169,927 124,047 125,529 145,645 125,479 135,156 280,067 338,487 268,024 80,882 75,976 52,332 97,711	43.676	331,818 263,754 311,599 256,703 310,100 413,673 521,728 467,886	99,927 143,666 174,056 151,681 155,041 123,783 128,895 98,685 106,671 139,070 33,409 36,225 16,992 30,423	21,994 104,851 79,399 52,064 94,581 92,364 118,094 211,030 270,706 173,000 62,730 62,809 33,343 78,292	42,551 76,223 78,363 60,009 61,977 40,556 63,111 103,858 144,351 155,816 28,233 31,924 22,965 35,611	242,021 474,891 387,911 353,129 387,342 292,356 275,488 426,322 463,154 465,853 106,530 105,156 104,162 99,597	221,834 368,655 322,922 263,471 323,059 248,826 245,137 328,378 342,452 312,005 72,935 83,802 75,229 70,248	8,778 65,076 44,648 73,465 51,064 33,115 17,062 09,031 67,781 95,024 18,152 13,167 18,989 19,419	11,400 21,160 20,341 16,19. 13,211 13,281 28,900 52,922 15,443 8,181 9,944 9,930
1982 total	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,50
.983 1st quarter 2d quarter 3d quarter 4th quarter	249,498 299,636	124,545 156,898	72,467 80,312	52,486 62,426	136,719 161,445	32,870 49,765	56,501 64,356	47,348 47,324	112,779 138,191	91,675 107,133	15,966 15,956	5,13 15,10
1983 total												
						TO JAPAN						
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 -	23,699 153,537 205,888 208,160 186,628 145,386 163,233 355,840 362,458 312,232	3,437 40,402 102,858 96,307 68,927 40,945 36,429 75,567 53,084 55,479	10,589 99,707 77,973 96,610 107,884 93,719 108,610 227,702 249,729 206,837	9,673 13,428 25,057 15,243 9,817 10,722 18,194 52,571 59,645 49,916	103,531 89,489 127,553 108,468 141,963 258,444 269,406 189,547	571 19,247 44,424 40,991 39,430 20,845 25,609 45,549 26,428 25,966	7,291 64,966 47,616 45,359 80,891 80,161 103,056 177,239 199,237 128,307	7,089 5,301 11,491 3,139 7,232 7,462 13,289 35,656 43,741 35,274	59,075 36,918 21,270 97,396 93,052 122,685	2,866 21,155 58,434 55,316 29,497 20,100 10,820 30,018 26,656 29,513	26,993 13,558 5,554 50,463 50,492 78,530	2,584 8,127 13,560 12,104 2,585 3,260 4,896 16,915 15,904
1st quarter 2d quarter 3d quarter 4th quarter	65,620	27,423 20,511 16,197 30,030	71,237 65,527 41,041 83,039	15,955 14,796 8,382 20,083	75,262 75,174 36,378 96,686	12,553 10,813 4,811 13,642	54,332 53,188 26,251 68,004	8,377 11,173 5,316 15,040	39,353 25,660 29,242 36,466	14,870 9,698 11,386 16,388	16,905 12,339 14,790 15,035	7,578 3,623 3,066 5,043
1982 total	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,31
983 1st quarter 2d quarter 3d quarter 4th quarter	111,529 116,414	28,259 29,497	62,186 67,962	21,084 18,955	77,376 86,712	10,277 16,280	47,871 54,250	19,228 16,182	34,153 29,702	17,982 13,217	14,315 13,712	1,850 2,77

Table 25--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1972-83½ (continued) (In thousand board feet)

		FROM	BOTH STATES	S	FKON	WASHINGTON	CUSTOMS 0	ISTRICT	FRU	M OREGON CUS	TUMS DISTRI	CT
YEAR AND QUARTER	TOTAL	DOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT - WOOOS	TOTAL	OUUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TUTAL	DOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS
						TO CANAOA	, , , , , ,					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 15t quarter 2d quarter 3d quarter 4th quarter	70,297 88,695 126,547 113,213 101,633 76,251 117,969 113,977 159,658 213,594 35,512 30,063 24,377 30,237	42,581 49,381 67,856 61,099 50,327 45,842 69,852 38,917 54,876 91,861 14,498 8,853 12,531	8,687 9,340 5,952 4,299 6,737 3,695 9,241 18,870 26,325 20,598 5,260 2,112 1,872 1,883	19,029 29,974 52,739 47,815 44,569 26,714 38,876 56,190 78,457 101,135 15,361 13,453 13,652 15,823	70,297 88,695 124,097 112,783 101,633 76,251 117,930 113,977 159,658 213,594 35,512 30,063 24,377 30,237	42,581 49,381 65,406 61,099 50,327 45,842 69,813 38,917 54,876 91,861 14,498 8,853 12,531	8,687 9,340 5,952 3,869 6,737 3,695 9,241 18,870 26,325 20,598 5,260 2,112 1,872 1,883	19,029 29,974 52,739 47,815 44,569 26,714 38,876 56,190 78,457 101,135 15,361 13,453 13,652 15,823	0 0 2,763R 0R 0 0 0 0 0 0 0 0	0 0 2,763i 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	C C C C C C C C C C C C C C C C C C C
1983 1st quarter 2d quarter 3d quarter 4th quarter	42,952 55,975	17,999 26,494	2,467 2,681	22,486 26,800	42,952 55,975	17,999 26,494	2,467 2,681	22,486 26,800	0	U	0	C
1983 total												
					TO M	AINLAND CHIN	Α					
1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	9,041 5 0 2,194 49	8,829 5 0 2,194 49	20 0 0 0 0	192 0 0 0 0	335 0 0 0 0	123 0 0 0 0	20 0 0 0 0	192 0 0 0 0	8,706 5 0 2,194 49	8,706 5 0 2,194 49	0 0 0 0	0 0 0
1982 total	2,248	2,248	0	U	0	0	0	0	2,248	2,248	0	υ
983 1st quarter 2d quarter 3d quarter 4th quarter	0 1,627	0 1,627	0	0	0	0	0	0	0 1,627	0 1,627	U U	0
1983 total		<del></del>										

Source--U.S. Oppartment of Commerce. Oata are compiled from Oppartment of Commerce records at the end of each quarter.

<sup>1</sup> Includes lumber classified as railroad crossties and not specified by species.

R = revised.

Table 26--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1972-83\frac{1}{2}$ / (In dollars per thousand board feet)

		FROM	BOTH STATES	5	FROM	WASHINGTON	COSTOMS DI	STRICT	FkO	OREGUN CO	STOMS DISTR	101
YEAR AND QUARTER	ALL SPECIES	000GLAS- F1R	WESTERN HENLOCK	OTHER SOFT- WOODS	ALL SPECIES	000GLAS- Flk	WESTERN HEMLUCK	OTHER 50FT- W0005	ALL SPECIES	OUUGLAS- FIR	WESTERN HEMLOUK	OTHER SUFT- WUUUS
					TO A	LL COUNTRIE	S					
1972 1973 1974 1975 1976 1977 1978 1978 1979 1980 1982 1982- 1st quarter 2d quarter 3d quarter 4th quarter	208.54 269.96 283.80 263.14 318.61 340.02 362.29 518.36 436.14 387.06 378.22 396.44 366.63 327.75	223.60 310.24 310.19 283.95 350.52 371.97 403.55 639.18 560.96 436.65 419.28 466.38 423.37 382.27	102.74 174.98 211.88 206.11 220.15 240.66 266.51 377.08 319.83 342.81 319.39 294.26 287.56 268.88	241.28 243.68 306.38 350.99 329.76 427.85 351.55 338.11 387.17 380.70 333.33 333.52	177.86 211.88 242.67 220.36 260.23 278.19 290.19 401.51 324.62 332.62 313.31 308.16 312.22 375.66	267.93 228.52 280.33 291.17 309.81 471.86 361.19 360.84 321.03 321.36 338.91 248.48	98.99 166.56 205.45 191.93 217.02 242.18 266.70 371.57 310.48 322.81 308.56 294.93 303.14 270.22	176.10 178.33 224.26 224.40 275.88 320.55 294.06 395.90 324.13 318.31 314.73 319.21 305.66 313.02	229.39 309.68 318.98 295.09 365.57 394.31 443.46 631.60 561.77 441.75 453.99 506.38 404.91 402.22	236.06 327.79 332.98 315.86 384.21 412.17 452.34 699.47 623.19 470.44 464.29 529.06 442.45 440.21	112-13 188.54 223.32 216-16 225.95 236.43 205.25 393.73 357.18 379.24 356.79 291.06 260.20 263.52	189.9: 349.0: 300.8: 315.116.449.34 469.5: 429.3: 542.0: 426.3: 390.0: 519.6: 620.4: 414.75
1st quarter 2d quarter 3d quarter 4th quarter	349.88 328.44	386.89 345.86	312.11 303.90	314.22 316.22	305.05 289.95	397.05 283.36	313.84 309.54	300.12 270.24	404.23 373.41	419.10 374.90	305.90 281.00	444.15 400.30
1983 average												
						TO JAPAN						
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	146.85 204.26 221.96 188.89 220.76 243.68 299.96 418.26 353.02 357.26	183.16 198.89 228.74 155.39 204.96 249.38 393.04 491.38 391.89 436.99	108.34 191.64 210.08 202.62 218.97 240.35 266.25 376.08 332.12 321.23	176.11 314.19 231.13 313.48 315.40 250.06 314.88 495.86 405.92 417.97	146.56 194.09 217.74 188.14 223.82 246.50 293.87 407.98 346.43 357.88	178.24 186.88 226.46 167.70 232.17 266.64 396.05 488.99 391.76 428.98	103.02 190.83 206.72 182.71 209.63 240.37 263.56 372.67 326.23 322.83	188.79 260.23 229.73 533.56 337.05 256.19 332.17 480.04 411.03 433.00	147.35 216.49 226.23 189.45 214.14 235.40 340.64 445.53 372.09 356.32	184.14 209.81 230.47 146.27 168.59 231.45 385.92 495.01 392.01 444.04	120 - 11 193 - 15 215 - 35 220 - 23 246 - 94 240 - 28 316 - 02 388 - 04 355 - 34 318 - 60	141.32 349.39 232.32 256.41 391.56 239.31 268.52 549.21 391.88 381.77
1st quarter 2d quarter 3d quarter 4th quarter	336.07 334.49 281.26 289.73	380.63 322.38 246.83 289.68	312.98 343.56 250.90 270.20	362.50 311.11 496.45 370.57	310.10 286.35 258.45 279.43	325.15 304.56 194.53 252.27	301.45 282.24 235.77 365.88	343.65 288.27 428.28 365.37	385.72 475.53 309.64 317.04	427.53 342.25 268.93 320.83	350.02 607.88 277.75 289.74	383.34 301.50 614.60 380.08
1982 average	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.62	370.45	420.45
1983 1st quarter 2d quarter 3d quarter 4th quarter	309.30 297.69	285.24 279.61	313.18 304.03	330.11 303.07	300.64 297.66	268.24 262.05	295.68 307.48	33U.3∠ 30U.56	328.91 297.77	294.94 301.25	371.70 296.39	347.95 317.72

1983 average

Table 26--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1972-83½/(continued) (In dollars per thousand board feet)

		FROM	BOTH STATES		FROM	FROM WASHINGTON CUSTUMS DISTRICT				4 OREGON CU	STUMS DISTR	CT
YEAR AND QUARTER	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SUFT- WOOOS	ALL SPECIES	UOUGLAS- F1R	WESTERN HEMLOCK	OTHER SUFT- WUODS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SUFT- WOUDS
	-				ī	O CANAOA						
1972	145.81	154.44	109.13	143.25	145.81	154.44	109.13	143.25				
1973	182.24	192.I2	120.04	185.34	182.24	192.12	120.04	185.34				
1974	205.78	223.64	196.55	183.58	202.89	219.18	196.55	183.40	312.231	312.37K		300.03
1975	189.59	200.09	199.95	175.20	I89.59	200.09	199.95	175.20				
1976	243.28	257.29	245.57	227.11	243.28	257.29	245.57	227.11				
1977	237.20	205.68	272.32	286.43	237.20	205.68	272.32	286.43				
1978 1979	186.31 333.39	152.2I 384.39	240.99	234.59	186.20 333.28	151.99	240.99 331.18	234.59	536.67	536.67		
1980	263.66	285.72	252.59	251.96	263.66	384.39 285.72	252.59	298.58 251.96				
1981	281.69	298.64	301.46	241.23	271.69	298.64	301.46	241.23				
1982	202103	230.0.	001110	L 41.10	2,1.05	250.04	301140	L41.L5				
1st quarter	266.80	264.46	290.34	261.00	266.80	264.46	290.34	261.00				
2d quarter	295.12	322.23	344.18	258.16	295.12	322.23	344.48	258.16				
3d quarter	255.32	265.26	360.63	234.43	255.32	265.26	360.63	234.43				~ -
4th quarter	234.81	214.63	321.75	241.58	234.81	214.63	321.75	241.58				
1982 avarage	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85				
1983												
1st quarter	263.27	278.36	325.74	244.33	263.27	278.36	325.74	244.33				
2d quarter 3d quarter 4th quarter	259.43	277.7I	332.15	234.08	259.43	277.71	332.15	234.08				
1983 average												
					TO MA	INLAND CHIN	A					
1981	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30		
1982 Ist quarter	170.00	170.00							170.00	I70.00		
2d quarter	170.00	170.00							170.00	170.00		
3d quarter	258.05	258.05							258.05	∠58.05		
4th quarter	195.63	195.63							195.63	195.63		
_												
1982 average	257.07	257.07							257.07	257.07		
1983												
1st quarter												
2d quarter 3d quarter 4th quarter	314.97	314.97							314.97	314.97		
1983 average												

Source--U.S. Department of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

 $1 \ \mathrm{Includes}$  lumber classified as railroad crossties and not specified by species.

R = revised.

Table 27--Softwood lumber exports from northern California ports, by species and destination,  $1972\text{-}83^{\scriptsize 1}$ 

(In thousand board feet)

YEAR AND QUARTER	TOTAL	00UGLAS-FIR	WESTERN HEMLOCK	OTHER SOF TWOO
		TO ALL COUNTRIES		
1972	48,914	20,843	135	27,936
1973	73,842	30,746	2,530	40,566
1974	35,314	17,350	815	17,149
1975	27,628	13,388	636	13,604
1976	40,585	14,430	462	25,693
1977 1978	44,438 32,919	18,951 12,931	1,137 684	24,350 19,304
1979	30,832	10,539	1,498	18,795
1980	34,603	10,531	3,777	20,295
1981	47,315	7,841	12,037	27,437
1982 1st quarter	10,323	2,497	1,607	6,219
2d quarter	13,228	4,446	1,750	7,032
3d quarter	13,922	2,738	1,220	9,964
4th quarter	15,244	4,174	2,959	8,111
1982 total	52,717	13,855	7,536	31,326
1983				
1st quarter	11,357	4,060	1,748	5,549
2d quarter 3d quarter	12,600	5,643	2,584	4,373
4th quarter				
1983 total				
		TO JAPAN		
1972	6,884	17	28	6,839
1973	4,963	328	2,359	2,276
1974	3,208	317	12	2,879
1975	4,303	337		3,966
1976	5,724 7,766	168	396	5,160 6,412
197 <b>7</b> 1978	6,763	1,354 107	200	6,412
1979	8,854	0	700	8,154
1980	17,384	1,160	3,256	12,968
1981	29,437	2,608	11,834	14,995
1982 1st quarter	8,480	2,024	1,557	4,899
2d quarter	8,809	2,049	1,737	5,023
3d quarter	10,668	1,448	1,170	8,050
4th quarter	10,256	1,764	2,117	6,375
1982 total	38,213	7,285	6,581	24,347
1983 1st quarter	7,519	1,381	1,748	4,390
2d quarter 3d quarter 4th quarter	6,585	578	2,460	3,547
1983 total				
		TO MAINLAND CHINA		
1981	93	0	0	93
1982	0	0	0	0
1st quarter 2d quarter	0	0	0	0
3d quarter	5	0	Ü	5
4th quarter	17	17	Ō	Ü
1982 total	22	17	0	5
1983				
1st quarter 2d quarter 3d quarter 4th quarter	0	U U	0	0
1983 total				

Source--U.S. Department of Commerce.

 $<sup>1</sup>_{\rm d}$  orthern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Table 28--Softwood lumber exports from southern California ports, by species and destination,  $1972\mbox{-}83^{\mbox{\scriptsize l}}$ 

(In thousand board feet)

1974	AS-FIR	OTHER SOF TWOO
1973		
1973	938	32,661
1974	599	33,009
1975   56,759   23, 1976   61,256   23, 1977   72,588   266, 1978   74,347   27, 1980   95,641   24, 1981   109,451   18, 1982   15t quarter   26,975   2, 3d quarter   3d quarter   4th quarter   2th quarter   3, 472   3d quarter   4th quarter   3th quarter   2th quarter   3th qua	684	27,830
1977 72,588 26, 1978 74,347 27, 1979 81,372 20, 1980 95,641 24, 1981 109,451 18, 1982 1st quarter 21,918 1, 2d quarter 26,975 2, 3d quarter 15,081 1, 4th quarter 6,717 2d quarter 8,472 3d quarter 8,472 3d quarter 4th quarter 7,238  1983 total  70 JAPAN  70 JAPAN  70 JAPAN  70 JAPAN  70 JAPAN  70 JAPAN  71 1979 739 739 739 739 739 739 739 739 739 739	,596	33,163
1978	078	38,178
1979   81,372   20,   1980   95,641   24,   1981   109,451   18,   1982		45,693
980 95,641 24, 981 109,451 18, 982 1st quarter 21,918 1, 2d quarter 26,975 2, 3d quarter 15,081 1, 4th quarter 7,238  1982 total 71,212 7, 983 1st quarter 8,472 3d quarter 8,472 3d quarter 1983 total  TO JAPAN  70 JAPAN  70 JAPAN  71 172 172 72 1,578 73 264 74 64 75 119 76 377 77 172 77 172 78 471 797 77 172 78 471 799 739 798 471 799 739 798 471 799 739 798 471 797 739 798 2,330 981 1,477 982 1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 30  1982 total 290 983 1st quarter 20 2d quarter 3 1st quarter 20 2d quarter 30		46,686
1981   109,451   18,     1982		60,984 70,811
1982   1st quarter   21,918   1,	809	90,642
1st quarter 21,918 2, 3d quarter 26,975 2, 3d quarter 15,081 1, 4th quarter 7,238	003	30,042
2d quarter 3d quarter 15,081 17,238  1982 total 1982 total 71,212 7,  983 1st quarter 3d quarter 4th quarter 4th quarter 1983 total  70 JAPAN  71 JAPAN  71 JAPAN  71 JAPAN  71 JAPAN  72 JAPAN  73 JAPAN  74 JAPAN  75 JAPAN  76 JAPAN  77 JAPAN  78 JAPAN  7	,969	19,949
3d quarter 4th quarter 7,238  1982 total 71,212 7, 983 1st quarter 2d quarter 3d quarter 4th quarter 1983 total  70 JAPAN  7	928	24,047
1982 total 71,212 7,  1983 1st quarter 6,717 2d quarter 8,472 3d quarter 4th quarter  1983 total   TO JAPAN  1972 1,578 1973 264 1974 64 1975 119 1976 377 1977 172 1978 471 1979 739 1980 2,330 1981 1,477 1982 1st quarter 245 2d quarter 3 3d quarter 3 3d quarter 12 4th quarter 245 2th quarter 3 3d quarter 3 3d quarter 3 3d quarter 3 3d quarter 12 4th quarter 290  1982 total 290  1983 1st quarter 0 2d quarter 0 2,155	,680	13,401
1st quarter 2d quarter 8,472 3d quarter 8,472 3d quarter 4th quarter  1983 total  TO JAPAN  972 1,578 973 264 974 64 975 119 976 377 977 172 978 471 979 739 980 2,330 981 1,477 982 1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 24th quarter 24th quarter 30  1982 total 290  983 1st quarter 0 2d quarter 0 2,155	914	6,324
1st quarter 2d quarter 3d quarter 4th quarter  1983 total  TO JAPAN  1972	491	63,721
2d quarter 3d quarter 4th quarter  1983 total  TO JAPAN  972	494	6 222
3d quarter 4th quarter  1983 total  TO JAPAN  972	355	6,223 8,117
4th quarter  1983 total  TO JAPAN  972	333	0,117
70 JAPAN  972 1,578  973 264  974 64  975 119  976 377  977 172  978 471  979 739  980 2,330  981 1,477  982 1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 30  1982 total 290  983 1st quarter 0 2d quarter 0 2d quarter 2 2d quarter 30		
1,578 1,973		
1973		
1974 64 1975 119 1976 377 1977 172 1978 471 1979 739 1980 2,330 1981 1,477 1982 1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 30  1982 total 290 1983 1st quarter 0 2d quarter 0 2d quarter 2	12	1,566 264
119 1975 119 1976 377 172 1977 172 1978 471 1979 739 1980 2,330 1981 1,477 1982 1st quarter 245 2d quarter 3d quarter 4th quarter 290 1983 1st quarter 2d quarter 2d quarter 22d quarter 290 2,155		64
976 377 977 172 978 471 979 739 980 2,330 981 1,477 982 1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 30 1982 total 290 983 1st quarter 0 2d quarter 290		119
978 471 979 739 980 2,330 981 1,477 982 1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 30 1982 total 290 983 1st quarter 0 2d quarter 290		377
979 739 980 2,330 981 1,477 982 1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 30  1982 total 290  983 1st quarter 0 2d quarter 0 2d quarter 2,155	73	99
980 2,330 981 1,477 982 1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 30  1982 total 290  983 1st quarter 0 2d quarter 2,155		471
1,477 982 1st quarter 245 2d quarter 3 d quarter 4th quarter 1982 total 290  1983 1st quarter 2d quarter 0 2d quarter 2,155	227	739
982 1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 30  1982 total 290  983 1st quarter 0 2d quarter 2,155	237 360	2,093
1st quarter 245 2d quarter 3 3d quarter 12 4th quarter 30  1982 total 290  983 1st quarter 0 2d quarter 2,155	300	1,117
2d quarter 3 3d quarter 12 4th quarter 30  1982 total 290  983 1st quarter 0 2d quarter 2,155	0	245
3d quarter 12 4th quarter 30  1982 total 290  983 1st quarter 0 2d quarter 2,155	0	3
1982 total 290  1983 1st quarter 0 2d quarter 2,155	12	0
983 1st quarter 0 2d quarter 2,155	0	30
1st quarter 0 2d quarter 2,155	12	278
2d quarter 2,155		
	0	0
/d 0113MT0M	0	2,155
3d quarter 4th quarter		

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

 $^1\mathrm{Southern}$  California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 29--Softwood lumber exports from Alaska ports, by species and destination, 1972-83

(In thousand board feet)

TOTAL	WESTERN HEMLOCK	SITKA SPRUCE	CEUAR	OTHER SOF TWOO
	TO ALL CUU	NTRIES		
340,196 404,849 362,432 313,307 290,011 250,044 237,795 278,462	155,407 210,555 250,144 179,398 134,387 122,544 126,218 172,005	184,649 194,143 154,525 132,556 148,526 121,350 111,435 103,844	0 12 2,641 1,353 1,298 5,579 53 479	140 139 122 0 5,800 571 89 2,134
195,981	104,974	91,007	0	1,322
49,526 54,839 34,136 33,465	16,908 23,000 13,765 321,827	32,618 30,178 20,371 311,638	0 0	1,661 0 0
171,966	75,500	94,805	0	1,661
42,858 23,333	20,389 10,727	21,854 11,545	0	615 1,061
	TO JAPA	AN		
336,798 403,938 361,691 312,976 289,197 245,445 236,615 273,615 251,369 161,794	152,555 210,536 204,845 179,122 134,274 122,471 125,355 170,149 156,654 82,753	184,243 193,390 154,205 132,501 148,221 121,083 111,207 101,408 94,610 79,041	0 12 2,641 1,353 902 1,391 53 435 105	5,800 500 1,623
39,046 53,846 29,469 33,465	13,050 23,000 13,315 21,827	25,996 30,178 16,154 11,638	0 0 0	668 (
155,826	71,192	83,966	0	668
34,269 22,230	18,795 10,626	14,937 10,543	0	537 1,061
			******	
	TO MAINLAND	CHINA		
27,149	18,428	8,721	0	0
9,479	2,857	6,622	0	0
3,674 0	450 0	3,224 0	0	0
13,153	3,307	9,846	0	0
5,976 0	1,582 0	4,394 0	0	0
	340,196 404,849 362,432 313,307 290,011 250,044 237,795 278,462 266,716 195,981  49,526 54,839 34,136 33,465  171,966  42,858 23,333  361,691 312,976 289,197 245,445 236,615 273,615 251,369 161,794 39,046 53,846 29,469 33,465  155,826  34,269 22,230	TO ALL COUNTY AND ALL	TOTAL HEMLOCK SPRUCE  TO ALL COUNTRIES  340,196 155,407 184,649 404,849 210,555 194,143 362,432 250,144 154,525 313,307 179,398 132,556 290,011 134,387 148,526 250,044 122,544 121,350 237,795 126,218 111,435 278,462 172,005 103,844 256,716 158,682 96,607 195,981 104,974 91,007  49,526 16,908 32,618 54,839 23,000 30,178 34,136 13,765 20,371 33,465 321,827 311,638  171,966 75,500 94,805  42,858 20,389 21,854 23,333 10,727 11,545   TO JAPAN  TO JAPAN  TO JAPAN  TO JAPAN  336,798 152,555 184,243 403,938 210,536 193,390 361,691 204,845 154,205 312,976 179,122 132,501 289,197 134,274 148,221 245,445 122,471 121,083 236,615 125,355 111,207 273,615 170,149 101,408 251,369 166,654 94,610 161,794 82,753 79,041  39,046 13,050 25,996 53,846 23,000 30,178 29,469 13,315 16,154 33,465 21,827 11,638  155,826 71,192 83,966  34,269 18,795 14,937 22,230 10,626 10,543	TOTAL HEMLOCK SPRUCE CEOAR  TO ALL COUNTRIES  340,196 155,407 184,649 0 404,849 210,555 194,143 12 362,432 250,144 154,525 2,641 313,307 179,398 132,550 1,353 290,011 134,387 148,526 1,298 250,044 122,544 121,350 5,579 237,795 126,218 111,435 53 278,462 172,005 103,844 479 256,716 158,682 96,607 105 195,981 104,974 91,007 0 49,526 16,908 32,618 0 54,839 23,000 30,178 0 34,136 13,765 20,371 0 33,465 321,827 311,638 0  171,966 75,500 94,805 0  42,858 20,389 21,854 0 23,333 10,727 11,545 0   TO JAPAN  TO

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 30--Softwood lumber exports to Canada from the Montana Customs District,  $1972-83^{1}$ 

(In thousand board feet)

YEAR AND QUARTER	TOTAL	DOUGLAS-FIR	WESTERN HEMLOCK	OTHER SOFTWOODS
1972	16,360	6,391	1,595	8,374
1973	47,727	30,526	3,334	13,867
1974	29,146	9,618	3,602	15,926
1975	50,226	12,745	4,516	32,965
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29,645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981	82,933	18,196	1,308	63,429
1982 1st quarter	13,582	2,047	231	11,304
2d quarter	10,114	1,573	56	8,485
3d quarter	11,699	2,763	194	8,742
4th quarter	12,023	2,212	209	9,602
701. qual oct		-,		
1982 total	47,418	8,595	690	38,133
1983				
1st quarter	16,216	3,428	230	12,558
2d quarter 3d quarter 4th quarter	21,160	4,397	185	16,578

Source--U.S. Department of Commerce.

<sup>1</sup> Montana Customs District includes all ports in Montana and Idaho.

Table 31--Lumber exports from British Columbia ports, by species and destination, 1972-83 (In thousand board feet)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS-FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOF TWOODS	HARDWOOD!
			TO ALL COUNTR	IES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	3,834,552 4,169,812 3,938,940 3,001,410 4,670,033 5,860,807 5,876,119 5,755,532 5,160,800 4,421,519 1,045,913 1,236,274 1,018,860 941,852	707,112 566,535 527,706 356,371 542,197 683,614 679,566 679,694 498,425 420,466	1,801,818 2,032,594 1,699,277 1,113,665 1,967,446 2,364,028 2,492,764 2,313,186 2,098,672 1,805,988  451,692 508,243 420,486 423,578	406,409 456,522 406,419 295,218 467,829 533,267 570,796 646,701 988,347 604,608 166,216 176,105 151,808 141,736	634,563 766,830 914,787 825,527 1,191,429 2,269,876 2,116,258 1,983,829 1,872,234 1,495,892 56,025 64,291 41,548 46,354	278,836 344,401 387,043 409,507 499,853 8,796 15,674 129,161 99,624 93,086 272,403 387,718 309,280 274,940	5,814 2,930 3,708 1,122 1,279 1,226 1,061 2,961 3,498 1,479 264 327 9,642 311
,							
1983 1st quarter 2d quarter 3d quarter 4th quarter	4,242,899 1,173,746 1,231,102	339,932 80,455 92,469	1,803,999 503,998 556,169	635,865 161,250 183,459	208,218 62,562 42,115	363,111 355,453	2,370 1,437
1983 total							
			TO JAPAN				
1972 1973 1974 1975 1976 1977 1978 1979 1980	400,051 617,449 500,785 407,674 633,863 705,823 779,135 1,014,481 1,084,426 867,636	15,268 12,987 15,335 12,870 13,727 18,530 23,799 44,021 55,800 34,239	300,460 441,852 349,560 301,336 476,927 530,567 545,983 677,425 701,579 577,901	46,052 88,946 83,749 60,490 79,934 90,447 116,368 158,121 136,130 129,256	34,003 71,531 49,116 30,488 61,743 65,943 92,940 133,358 185,379 125,324	526 1,849 2,490 2,405 1,521 85 0 546 4,158 717	3,742 284 535 85 11 251 45 1,010 1,380 199
1982 1st quarter 2d quarter 3d quarter 4th quarter	321,362 300,572 221,355 205,082	17,735 10,662 8,972 7,022	220,513 219,718 149,475 123,919	33,431 23,776 28,409 34,284	18,192 15,107 14,650 18,760	31,401 31,275 19,849 21,082	90 34 0 15
1982 total	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983 1st quarter 2d quarter 3d quarter 4th quarter	284,327 241,695	10,068 7,198	189,631 157,455	32,141 31,260	19,963 11,849	32,499 33,914	25 19
1983 total							

Table 31--Lumber exports from British Columbia ports, by species and destination, 1972-83 (continued) (In thousand board feet)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS-FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO UNITED STA	TES1			
1972 1973 1974 1975 1976	2,679,159 2,601,556 2,287,461 2,026,343 2,965,011	505,902 347,653 302,112 238,331 322,793	1,155,419 1,143,329 761,924 542,256 978,784	254,521 240,978 207,138 166,949 267,831	491,217 544,634 659,751 684,404 938,185	270,029 322,316 353,487 393,391 456,237	2,071 2,646 3,049 1,012 1,181
1977 1978 1979 1980 1981 1982	4,107,653 4,078,666 3,528,648 2,590,889 2,337,958	529,808 501,841 462,658 283,482 228,856	1,340,920 1,443,548 1,125,807 775,428 803,019	333,604 365,062 382,991 355,821 394,800	1,894,371 1,751,741 1,429,014 1,079,387 813,733	7,988 15,496 126,536 94,683 96,305	962 978 1,642 2,088 1,245
1st quarter 2d quarter 3d quarter 4th quarter	454,409 598,691 487,198 477,427	38,338 45,348 40,730 33,360	143,946 178,235 138,339 176,993	105,038 129,618 104,856 91,122	28,766 35,901 23,304 23,343	138,161 209,335 179,603 152,313	160 254 366 296
1982 total	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983 1st quarter 2d quarter 3d quarter 4th quarter	596,902 716,670	42,067 50,047	197,343 282,102	107,140 125,052	39,938 27,625	209,966 231,261	448 583
1983 total							, , , ,
			TO MAINLAND CH	IINA			
1982 1st quarter 2d quarter 3d quarter 4th quarter	37 8,663 15,481 19,025	0 0 0 0	0 6,426 6,290 28,877	0 0 0	0 0 0 624	37 2,337 0 2,240	0 0 9,191 0
1982 total	43,206	0	28,877	0	624	49514	9,191
1983 1st quarter 2d quarter 3d quarter 4th quarter	16,970 27,465	0	10,445 23,994	0	U 0	4,663 3,471	1,862 0
1983 total		•					

Source--Bureau of Economics and Statistics, Department of Industrial Development, Trade, and Commerce, Victoria, B.C., "Preliminary Statement of External Trade."

<sup>1</sup>Figures do not include shipments of railroad crossties.

Table 32--Plywood exports from Washington and Ureyon ports, by origin and destination, 1972-85 (In thousand square feet)

JARTER  JOT2  JOT3  JOT3  JOT4  JOT5  JOT6  JOT7  JOT7  JOT8  JOT8	FROM COSTOMS	BOTH DISTRICTS	FRUIT WAS COSTOMS U	HINGTON 1STR1CT	FRUH U COSTUNS D	REGON ISTRICT
YEAR AND QUARTER	SOFTWOOD, 3/8-INCH BAS1S	HAROWUOD, SOKFACE MEASURE	SOFTWOOD, 3/8-INCH BASIS	HARUWUUU, SURFALE MEASURE	SUFTWOOU, 3/8-14CH BASIS	HARDWOOD SURFACE HEASORE
		ТО А	LL COUNTRIES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	122,242 284,806 284,487 407,117 532,576 233,762 242,105 330,018 279,003 327,967	3,603 6,337 6,590 10,493 24,229 17,673 12,160 9,962 9,718 18,645	23,241 45,493 131,317 93,951 34,020 20,663 23,284 27,132 20,747 65,729	3,342 5,546 5,604 10,360 23,846 17,447 8,871 9,644 8,806 17,333	99,001 239,313 153,170 313,166 498,556 213,159 218,821 302,886 258,256 262,238	261 791 986 133 383 226 3,289 318 912 1,312
1982 1st quarter 2d quarter 3d quarter 4th quarter	61,985 54,367 26,117 79,140	3,009 2,326 1,352 2,748	8,562 10,519 8,687 8,500	3,003 2,326 1,348 2,669	53,423 43,848 17,430 70,640	6 0 4 79
1982 total	221,609	9,435	36,268	9,346	185,341	89
1983 1st quarter 2d quarter 3d quarter 4th quarter	109,950 100,036	4,445 4,884	10,297 11,347	4,311 4,804	99,653 88,689	134 80
1983 total						
			TO JAPAN			
1972 1973 1974 1975 1976 1977 1978 1979 1980	734 8,139 3,311 2,141 2,361 1,914 2,821 6,040 8,301 5,056	34 247 188 14 61 162 18 108 978	432 1,625 1,203 414 498 122 167 931 4,158 2,162	0 0 11 0 61 74 18 108 978	302 6,514 2,108 1,727 1,863 1,792 2,654 5,109 4,143 2,894	34 247 177 14 0 88 0 0 0
1982 1st quarter 2d quarter 3d quarter 4th quarter	1,671 2,523 629 1,897	0 0 0 19	408 948 524 1,272	0 0 19	1,263 1,575 105 625	0 U 0 U
1982 total	6,720	19	3,152	19	3,568	U
1983 1st quarter 2d quarter 3d quarter 4th quarter	1,264 1,047	0 13	910 765	0	354 282	0 13
1983 total						
		TO HA	INLAND CHINA			
1982 1st quarter 2d quarter 3d quarter 4th quarter	0 0 0 0	U 1 U 0	U U O U	0 1 0	U U U	0 0 0
1982 total	U	1	0	1	J	U
1983 1st quarter 2d quarter 3d quarter 4th quarter	0	U	U	U	0	U
1983 total						

Source--O.S. Department of Commerce. Oreyon Customs District includes all Oreyon ports plus Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 33--Plywood exports from California,  $1972-83\frac{1}{2}$  (In thousand square feet)

	NORTHERN	CALIFORNIA	SOUTHERN (	CALIFORNIA
TOTAL	SOFTWOOD,	HARDWOOD,	SOFTWOOD,	HARDWOOD,
	3/8-INCH	SURFACE	3/8-INCH	SURFACE
	BASIS	MEASURE	BASIS	MEASURE
15,429	6,633	668	5,941	2,187
16,562	8,186	698	4,358	3,320
18,177	4,985	305	7,978	4,909
19,619	7,874	542	6,311	4,892
19,696	10,085	92	4,681	5,111
9,198	5,148	646	1,818	1,586
6,036	2,833	899	964	1,340
5,934	1,638	871	1,946	1,479
9,054	1,414	849	3,546	3,245
9,349	2,424	487	2,830	3,608
1,419	547	69	391	412
2,173	917	205	533	518
2,209	774	556	457	422
1,663	788	534	176	165
7,464	3,026	1,364	1,557	1,517
1,356	524	58	195	579
2,567	1,302	497	207	561
	15,429 16,562 18,177 19,619 19,696 9,198 6,036 5,934 9,054 9,054 9,349 1,419 2,173 2,209 1,663 7,464	SOFTWOOD, 3/8-INCH BASIS  15,429 6,633 16,562 8,186 18,177 4,985 19,619 7,874 19,696 10,085 9,198 5,148 6,036 2,833 5,934 1,638 9,054 1,414 9,349 2,424  1,419 547 2,173 917 2,209 774 1,663 788  7,464 3,026	TOTAL       3/8-INCH BASIS       SURFACE MEASURE         15,429       6,633       668         16,562       8,186       698         18,177       4,985       305         19,619       7,874       542         19,696       10,085       92         9,198       5,148       646         6,036       2,833       899         5,934       1,638       871         9,054       1,414       849         9,349       2,424       487         1,419       547       69         2,173       917       205         2,209       774       556         1,663       788       534         7,464       3,026       1,364         1,356       524       58	SOFTWOOD, 3/8-INCH SURFACE 3/8-INCH BASIS  15,429 6,633 668 5,941 16,562 8,186 698 4,358 18,177 4,985 305 7,978 19,619 7,874 542 6,311 19,696 10,085 92 4,681 9,198 5,148 646 1,818 6,036 2,833 899 964 5,934 1,638 871 1,946 9,054 1,414 849 3,546 9,349 2,424 487 2,830  1,419 547 69 391 2,173 917 205 533 2,209 774 556 457 1,663 788 534 176

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions which may have been made after this time are not shown.

 $\frac{1}{N}$ Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 34--Douglas-fir Peeler log prices, western Washington and northwestern Oregon, 1972-82 (In dollars per thousand board feet, Scribner scale)

LOG GRADE AND YEAR	WATER AND INLAND SALES	EXPORT SALES	ALL SALES	LUG GRADE AND YEAR	WATER AND INLAND SALES	EXPORT SALES	ALL SALES
No. 1 Peeler 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	195.10 239.40 296.80 317.50 361.90 416.30 438.70 576.70 678.30 736.40 675.40	214.30 651.50 592.60 545.30 628.20 628.40 876.46 1,460.50 1,050.70 902.70 649.30	205.90 582.10 536.40 488.30 590.90 558.90 763.40 1,076.90 883.90 797.60 673.10	Special Mill 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	: 130.00 175.20 196.00 211.70 226.60 249.70 274.70 392.40 391.60 377.40 304.10	143.00 338.90 282.20 260.60 283.50 305.80 363.10 534.10 512.80 465.60 379.70	135.70 276.50 255.10 235.30 261.60 285.80 324.90 501.90 485.30 416.50 319.00
No. 2 Peeler 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	163.60 211.10 251.90 271.10 301.20 362.40 389.60 498.90 562.70 594.20 561.30	187.50 514.80 448.60 409.80 450.70 474.40 762.10 1,229.00 946.40 785.60 710.80	174.40 396.80 370.20 334.00 401.40 408.50 555.10 728.20 678.60 621.50 563.80	Average: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	140.60 186.00 208.90 228.60 268.70 299.40 333.50 433.10 493.80 532.40 460.70	160.50 427.20 360.10 342.40 438.70 384.50 561.10 759.10 702.80 651.40 464.40	148.90 320.40 299.30 274.40 377.70 322.20 446.40 571.30 584.40 563.90 460.90
No. 3 Peeler 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	140.90 185.10 201.00 224.50 263.00 298.30 323.20 411.90 455.00 470.20 431.50	165.90 406.20 341.50 305.90 363.00 346.70 484.80 728.60 679.20 547.50 529.30	149.20 270.70 255.60 243.10 306.50 310.30 362.50 480.50 510.50 486.20 432.40				

Table 35--Douglas-fir Sawmill log prices, western Washington and northwestern Oregon, 1972-82 (In dollars per thousand board feet, Scribner scale)

LOG GRADE	WATER AND INLAND	EXPORT	ALL	LOG GRADE	WATER AND INLAND	EXPORT	ALL
AND YEAR	SALES	SALES	SALES	AND YEAR	SALES	SALES	SALES
No. 1 Sawmil 1972	1: 127.30	169.30	139.40	Mixed grade: 1972	103.90	111.20	104.90
1972	188.40	326.80	226.70	1973	126.40	276.60	156.80
1974	205.50	308.00	227.10	1974	136.40	240.80	153.70
1975	233.70	275.80	241.60	1975	138.10	207.40	155.50
1976	235.20	284.00	262.60	1976	157.40	228.60	171.00
1977	293.10	296.10	293.80	1977	229.10	258.70	236.70
1978 1979	282.60 376.20	521.30 887.60	402.80 658.10	1978 1979	252.40 318.30	328.40 434.80	296.90 383.10
1980	376.50	650.20	497.80	1980	326.90	403.70	383.90
1981	395.90	815.30	413.20	1981	266.80	379.30	339.60
1982	365.40		365.40	1982	264.40	359.80	337.30
No. 2 Sawmil	1 ·			Ungraded:			
1972	112.40	133.50	119.10	1972	102.80	85.60	101.80
1973	159.10	301.10	207.00	1973	132.00	300.50	136.10
1974	184.30	250.20	209.70	1974	213.30	266.40	214.00
1975	185.50	232.90	197.60	1975	148.60	176.10	149.90
1976	207.70	264.00 276.80	231.30 258.00	1976	202.30	149.80	198.50
1977 1978	238.60 261.30	318.70	286.00	1977 1978	257.00 257.40	238.20 377.80	252.20 280.20
1979	322.20	489.70	406.90	1979	332.30	471.70	387.80
1980	343.10	438.10	387.30	1980	356.40	504.80	396.40
1981	315.50	428.20	329.40	1981	438.70	519.00	473.50
1982	250.30	361.30	271.00	1982	319.10	329.20	323.70
No. 3 Sawmil	1:			Average:			
1972	87.20	112.40	90.90	1972	86.80	125.40	95.10
1973	125.10	218.40	138.60	1973	137.30	284.00	172.30
1974 1975	138.20 139.20	236.70 203.20	148.10	1974	159.10	247.20	180.50
1976	160.60	221.30	146.10 179.40	1975 1976	154.70 180.40	217.40 250.40	168.70 202.90
1977	188.60	230.30	203.60	1977	227.20	265.30	242.80
1978	210.60	263.70	228.20	1978	250.00	321.60	284.60
1979	253.20	397.10	294.40	1979	311.50	451.60	382.20
1980	270.50	362.60	299.80	1980	331.10	415.10	379.80
1981 1982	271.20 202.70	413.40 308.90	279.50 243.50	1981 1982	295.20 250.60	392.20 352.80	331.40 308.80
1302	202.70	300. 30	243.30	1302	250.00	332.00	300.00
No. 4 Sawmil		100.00	0.4.70				
1972	97.90	100.30	94.70				
1973 1974	119.20 138.60	106.30 70.10	118.30 137.60				
1975	125.10	117.90	125.10				
1976	119.70	150.70	121.40				
1977	150.80	151.90	150.80				
1978	161.30	176.10	162.00				
1979 1980	230.00 226.70	208.50 374.60	229.80 271.50				
1981	238.80	314.60	241.30				
1982	156.30	309.20	230.40				

Table 36-Western hemlock log prices, western Washington and northwestern Oregon, 1972-82 (In dollars per thousand board feet, Scribner scale)

	WATER AND				WATER AND		
LOG GRADE AND YEAR	INLAND SALES	EXPORT SALES	ALL SALES	LOG GRADE ANO YEAR	INLAND SALES	EXPORT SALES	ALL SALES
Peeler: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	122.20 167.80 215.30 215.00 222.00 269.30 232.80 434.40 556.80 435.30 321.80	169.90 422.80 358.70 331.90 378.40 388.10 415.40 582.20 650.60 566.90 515.10	162.80 410.30 348.60 328.90 368.00 384.50 404.30 578.20 644.80 564.30 452.70	No. 4: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	79.70 92.20 98.00 93.20 103.50 125.10 165.40 236.50 225.40 192.70 128.50	172.60 72.30 149.80 118.90 133.80 200.70 217.90 438.90 234.20 236.30	79.70 101.00 98.00 97.40 104.30 126.10 166.50 235.80 264.10 204.90 148.40
Special Peel 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	111.50 144.50 180.70 175.80 180.60 218.60 221.60 334.10 397.30 303.56 275.90	141.10 326.90 271.80 244.50 287.80 293.00 321.30 465.10 491.30 382.50 409.80	135.20 313.10 263.60 240.80 281.10 289.40 305.00 460.60 481.30 375.20 336.40	Mixed grade: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	80.50 104.20 135.60 131.10 142.60 161.20 173.60 210.40 274.00 206.30 194.90	112.60 218.10 194.80 135.90 191.10 227.30 248.10 353.30 386.50 306.20 310.50	90.70 137.60 171.20 153.20 175.30 206.50 223.30 324.70 359.80 268.20 280.00
No. 1: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	116.60 149.60 194.30 175.10 191.70 264.60 233.70 302.90 391.50 222.30 298.30	154.60 379.40 322.30 291.60 338.30 350.70 382.80 534.40 571.90 473.70 453.30	143.90 349.20 307.30 281.20 320.40 342.80 567.00 522.30 553.80 456.20 409.70	Ungraded: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	80.40 118.10 144.10 132.00 149.90 213.10 207.60 231.70 297.00 316.90 269.00	83.10 232.10 194.20 149.60 201.70 222.70 214.40 334.20 391.00 271.80 265.00	80.50 119.20 147.90 134.40 151.80 213.10 208.10 233.20 310.90 316.40 368.50
No. 2: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	92.20 119.00 154.60 149.50 151.30 182.60 194.80 250.10 280.10 262.80 213.10	128.60 287.40 26.70 212.80 254.70 272.10 305.60 437.80 426.80 367.20 330.20	111.20 238.30 215.90 198.40 232.00 252.30 264.40 395.60 376.90 303.30 221.00	Average: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	85.50 112.90 142.10 134.00 145.90 172.30 182.90 225.60 284.80 239.00 209.70	129.10 286.00 240.30 206.10 241.40 258.40 282.10 388.50 418.90 327.60 310.80	105.60 225.70 208.70 183.00 213.60 234.60 250.60 355.80 376.50 287.10 273.80
No. 3: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	76.10 107.70 126.30 120.10 123.00 159.40 187.10 217.90 239.30 213.40 168.20	114.40 253.40 206.90 181.30 213.30 230.10 273.90 359.60 340.30 334.10 254.30	92.90 187.90 160.00 149.90 167.30 202.40 224.40 290.20 287.20 235.50 196.80				

Table 37--Noble fir log prices, western Washington and northwestern Oregon, 1972-82 (In dollars per thousand board feet, Scribner scale)

	WATER AND				WATER		
LOG GRADE AND YEAR	1NLAND SALES	EXPORT SALES	ALL SALES	LOG GRADE AND YEAR	AND INLAND SALES	EXPORT SALES	ALL SALES
Peeler: 1972 1973 1974 1975 1976 1977 1978	149.50 160.20 180.20 202.90 200.90 271.70 271.30	244.00 931.90 792.80 554.10 799.60 715.80 879.50	236.20 901.80 785.80 537.00 797.60 696.20 874.10	No. 4: 1972 1973 1974 1975 1976 1977	94.10 97.10 99.50 113.80 125.60 137.40 208.00	111.20  158.00 146.90 246.00	94.10 99.90 99.50 113.80 126.90 141.60 221.00
1979 1980 1981 1982	332.90 361.50 569.50 359.00	1,493.40 1,337.60 795.50 465.00	1,415.40 1,269.70 713.80 361.20	1979 1980 1981 1982	204.00 229.00 207.30 193.00	141.00	191.40 229.00 207.30 193.00
Special Hill 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	: 118.80 140.90 171.10 175.20 183.10 212.60 247.30 303.60 312.60 281.00 282.10	186.30 549.90 374.80 266.80 381.30 356.40 538.90 893.90 694.70 510.40	170.30 488.00 365.80 246.90 375.60 345.60 528.80 747.50 611.40 397.50 282.10	Mixed grade: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	77.20 113.10 153.40 158.00 164.00 189.70 218.80 265.60 274.90 176.60 203.90	146.40 239.20 572.60 205.50 202.70 211.20 511.70 1,203.50 295.40 295.70 316.10	116.60 135.20 457.80 166.60 168.40 192.80 282.30 376.70 308.30 180.20 232.40
No. 1: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1981	128.40 143.30 170.80 188.70 183.60 242.60 245.60 318.10 307.30 442.60 319.10	233.70 818.60 688.30 447.30 633.10 606.20 759.40 1,255.50 989.80 680.90	205.10 751.60 659.10 423.40 629.00 573.80 740.00 1,208.70 829.50 498.70 319.70	Ungraded: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	50.70 172.50 140.50 156.60 180.50 196.50 113.10 230.50 395.50	114.00	50.70 172.50 140.50 153.70 180.50 196.50 113.10 230.50 395.50
No. 2: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	99.50 132.60 148.50 156.60 161.80 181.00 221.50 216.40 283.10 307.50 235.50	152.00 343.20 298.80 247.30 314.90 291.80 361.20 685.10 497.10 455.80	131.60 256.80 266.70 223.10 300.00 275.70 338.90 596.80 389.80 332.30 235.50	Average:     1972     1973     1974     1975     1976     1977     1978     1979     1980     1981	102.10 128.20 147.70 160.00 161.60 196.60 217.40 255.90 285.80 283.00 252.70	190.80 623.20 540.10 362.10 503.20 453.70 569.30 937.50 781.30 577.10 364.80	164.10 465.10 481.10 313.40 441.60 409.60 482.00 708.80 543.00 338.40 255.70
No. 3: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	81.40 115.80 117.70 118.60 137.00 161.60 184.90 235.90 294.50 258.20 185.80	121.80 235.40 200.60 192.60 241.30 229.30 262.40 400.90 354.90 257.70	100.40 180.60 152.20 160.40 218.20 217.70 239.20 309.60 306.90 258.20 185.80				

Table 38--White fir log prices, western Washington and northwestern Oregon, 1972-82 (In dollars per thousand board feet, Scribner scale)

	WATER AND				WATER AND		
LOG GRADE AND YEAR	INLAND SALES	EXPURT SALES	ALL SALES	LOG GRADE AND YEAR	INLAND SALES	EXPORT SALES	ALL SALES
Peeler: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	118.90 156.40 230.80 209.70 255.60 275.20 263.80 446.70 637.70 425.10 377.50	183.00 411.40 360.10 341.70 386.00 395.20 439.20 605.50 671.90 578.10 530.80	172.80 398.60 351.30 333.60 379.20 387.50 432.20 602.10 670.80 570.30 511.70	No. 4: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	87.50 92.00 103.90 106.40 122.80 135.10 160.40 204.60 215.20 170.10 151.20	80.20 132.80  159.20 138.40 192.60 230.70 246.50 237.30	85.80 99.10 103.90 106.40 124.20 136.40 169.70 206.10 216.70 180.00 151.20
Special Mill 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	107.80 141.90 183.70 169.70 210.10 218.90 235.70 374.10 407.40 281.00 275.60	152.80 324.80 273.10 259.30 300.63 294.70 345.60 496.30 513.00 402.80 416.20	144.70 314.40 267.00 249.60 294.00 289.60 343.40 494.20 509.50 396.90 355.20	Mixed grade: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	80.40 95.20 126.80 121.70 156.30 173.80 179.30 249.40 271.10 177.70 184.20	121.20 229.10 205.90 165.70 209.30 229.60 247.50 348.50 363.10 308.80 336.80	100.30 173.40 160.40 151.20 196.50 214.90 230.10 321.90 343.60 275.40 304.30
No. 1: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	115.80 142.60 202.90 162.90 214.80 247.50 239.10 325.80 502.40 304.40 300.80	166.60 357.70 320.50 300.70 344.60 353.90 391.80 552.50 587.90 485.90 461.90	153.10 338.90 309.10 286.90 333.70 343.90 384.50 546.60 585.40 451.70 427.20	Ungraded: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	74.10 122.30 145.20 150.70 162.60 278.00 207.60 214.10 293.70 311.20 192.50	79.60 285.20 172.70 219.20 194.80 213.30 323.20 270.70	74.20 122.70 145.20 152.30 152.40 277.80 208.30 214.10 293.70 305.70 192.50
No. 2: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	98.20 129.20 158.20 151.30 168.40 181.20 212.10 270.80 277.10 248.90 216.30	138.70 280.00 238.30 229.40 264.50 265.10 329.60 465.90 445.40 370.10 315.30	128.80 255.50 222.40 214.10 253.40 256.10 320.30 446.70 425.50 318.50 227.50	Average: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	88.90 112.00 138.10 139.80 166.70 198.30 151.80 238.80 286.90 219.70 201.20	145.40 299.10 260.90 225.90 273.30 271.40 319.20 459.90 469.30 365.80 342.80	126.40 256.00 221.50 208.20 256.00 258.90 290.60 411.80 431.30 324.60 294.20
No. 3: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	84.80 106.20 125.30 120.00 136.60 159.10 191.90 239.20 255.30 233.40 171.50	119.50 239.60 193.60 189.50 232.30 234.70 282.10 393.60 350.70 292.70 256.40	110.90 207.70 101.60 172.00 215.90 223.60 272.80 348.70 302.20 251.40 194.70				

Table 39--Sitka spruce log prices, western Washington and northwestern Oregon, 1972-82 (In dollars per thousand board feet, Scribner scale)

LOG GRADE AND YEAR	WATER AND INLAND SALES	EXPORT SALES	ALL SALES	LOG GRADE AND YEAR	WATER AND INLAND SALES	EXPORT SALES	ALL SALES
Select: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	221.90 480.80 706.60 448.80 529.80 416.70 632.40 674.20 1,822.30 986.20	215.90 1,072.00 678.50 551.60 668.60 761.60 890.60 1,502.60 1,299.00	216.40 1,046.20 679.20 548.40 662.40 727.40 872.60 1,488.50 1,361.10	No. 4: 1972 1973 1974 1975 1976 1977 1978 1979 1980	98.20 128.20 113.90 88.00 104.00 150.90 231.90 147.50	205.00	98.20 128.20 113.90 86.00 100.00 155.80 231.90
1982		978.90	978.90	1982	147.50		14/.50
Special Mil 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	107.10 388.60 287.80 203.50 318.20 299.20 385.80 413.30 1,162.10 548.90 292.30	174.00 532.70 396.40 302.60 398.20 423.20 490.60 948.10 830.60 685.00 500.60	164.30 530.00 387.50 292.50 393.80 416.70 476.30 923.00 877.20 668.00 485.70	Hixed grade: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	96.70 154.80 166.10 163.80 159.70 173.70 191.20 145.60 378.40 199.80 165.00	109.60 355.00 264.40 207.60 243.40 322.20 402.00 676.30 560.90 493.80 366.80	99.20 230.70 211.10 182.60 210.30 228.80 324.70 587.80 531.60 412.40 348.60
No. 1: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	134.00 324.50 267.80 281.50 360.20 336.80 464.90 465.60 1,227.00 353.10	208.80 935.80 599.00 434.50 562.40 629.10 738.60 1,288.50 1,143.50 831.60 769.80	200.90 906.70 564.00 425.70 551.80 590.70 705.20 1,269.30 1,155.50 611.10 769.80	Ungraded: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	73.70 115.10 159.50 116.40 144.10 210.40 235.60 319.40 360.50 290.10 221.70	117.10 202.50 100.60 249.10  924.40 138.30	73.70 115.10 161.50 109.70 210.40 326.50 318.70 360.50 290.10 221.70
No. 2: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	93.40 146.80 169.40 170.60 182.20 207.30 249.90 248.00 367.80 273.70 211.40	138.70 403.60 315.30 238.00 255.20 295.90 315.40 567.80 596.30 464.30 360.80	116.30 327.30 244.80 222.80 245.50 287.20 285.70 469.10 539.20 283.40 240.10	Average: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	94.60 152.00 168.00 162.70 170.80 192.80 226.90 215.20 478.20 256.00 182.70	156.00 529.50 346.80 268.60 379.40 424.60 537.20 834.10 732.60 543.30 419.40	116.30 349.70 259.10 217.40 318.90 362.80 423.90 711.10 665.30 384.70 386.00
No. 3: 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	69.10 97.60 128.50 142.10 147.70 169.40 182.20 227.50 192.80 182.50 175.70	98.40 261.80 251.10 189.50 208.60 238.60 141.10 378.60 394.70 757.30 214.00	74.50 138.60 149.10 151.00 174.40 201.30 179.00 246.70 228.60 183.90 176.00				

Table 40--Western redcedar log prices, western Washington and northwestern Oregon, 1972-82 (In dollars per thousand board feet, Scribner scale)

LOG GRADE AND YEAR	WATER AND INLAND SALES	EXPORT SALES	ALL SALES	LOG GRADE AND YEAR	WATER AND INLAND SALES	EXPORT SALES	ALL SALES
No. 1: 1972 1973	161.80 241.60	180.50 471.50	166.40 296.60	Mixed grade: 1972 1973	78.60 172.30	92.70 230.40	30.00 129.70
1974 1975 1976 1977	241.30 249.30 332.70 410.40	456.40 368.30 485.30 597.10	307.70 289.50 389.90 469.10	1974 1975 1976 1977	121.50 131.60 181.80 236.90	196.50 186.80 283.90 347.10	130.30 133.60 194.10 257.70
1978 1979 1980 1981 1982	488.00 525.60 466.40R 443.90 412.80	727.10 1,199.10 957.30 811.40 772.80	603.60 865.60 691.60 493.70 489.50	1978 1979 1980 1981 1982	291.00 354.50 287.40 354.50 257.90	356.40 526.10 427.90 417.80 377.80	302.20 398.50 311.90 360.60 283.80
No. 2: 1972	130.70	156.90	134.70	Ungraded: 1972	94.80		94.80
1973 1974 1975 1976	201.70 183.60 198.50 286.60	399.40 351.30 255.10 375.10	239.50 225.70 203.40 300.40	1973 1974 1975 1976	128.50 131.30 127.10 160.40	84.70 137.00 119.10 178.50	128.30 131.50 126.10 162.40
1977 1978 1979	345.60 410.40 424.10	446.20 574.10 917.30	358.70 446.70 545.90	1977 1978 1979	326.10 291.10 349.20	247.40 231.50 317.60	312.50 291.00 349.00
1980 1981 1982	364.40 356.30 318.70	778.20 561.50 602.60	444.50 372.70 343.00	1980 1981 1982	357.60 242.80 258.30		357.60 242.80 258.30
No. 3: 1972 1973 1974	86.90 137.50 139.70	103.60 257.40 189.80	89.10 159.80 146.80	Average: 1972 1973 1974	108.90 172.30 156.30	140.60 334.10 316.90	113.20 202.00 186.30
1975 1976 1977 1978	139.50 184.60 235.40 280.00	145.40 201.20 234.20 353.70	140.00 186.30 235.30 285.60	1975 1976 1977 1978	166.50 243.20 301.10 341.40	271.90 372.69 418.70 546.70	175.90 264.70 320.80 391.10
1979 1980 1981 1982	337.30 278.40 272.50 261.90	555.10 513.50 344.30 365.80	348.70 290.50 272.90 263.70	1979 1980 1981 1982	390.60 321.00 336.30 272.40	834.90 657.80 495.80 388.00	503.50 380.20 347.80 293.70
No. 4:							
1972 1973 1974 1975	76.10 95.30 111.60 99.60	66.70 103.50 78.20 104.00	73.80 96.00 111.30				
1975 1976 1977 1978	127.20 194.40 216.10	104.00 102.80 186.50 246.00	99.60 127.10 193.80 216.80				
1979 1980 1981 1982	272.10 216.60 213.80 204.00	386.70	278.70 216.60 213.80 204.00				

Table 41--Western white pine log prices, western Washington and northwestern Oregon, 1972-82 (In dollars per thousand board feet, Scribner scale)

	WATER AND				WATEK AND		
LOG GRADE AND YEAR	INLAND SALES	EXPORT SALES	ALL SALES	LOG GRADE AND YEAR	INLAND SALES	EXPORT SALES	ALL SALES
Peeler:				No. 4 Sawmil	1:		
1972	94.70	168.00	133.80	1972	64.00	71.30	68.40
1973	190.90	566.00	480.30	1973	82.60	173.00	92.67
1974	272.80	512.10	356.80	1974	77.40		77.40
1975	193.80	399.40	294.10	1975	40.40	213.30	42.20
1976	214.30	642.10	539.20	1976	125.50		125.50
1977 1978	234.60 228.70	501.80 599.50	425.80 435.70	1977 1978	136.90 119.20		136.90 119.20
1979	329.40	708.70	671.10	1979	175.80	257.30	206.40
1980	338.90	818.50	750.00	1980	233.30	237.30	233.30
1981	344.20	441.00	360.30	1981	162.00		162.00
1982	384.40		384.40	1982	183.30		183.30
Special Mill				Mixed grade:			
1972	91.30	138.00	122.40	1972	74.10	94.50	74.40
1973	161.90	371.60	320.00	1973	81.20	366.20	96.30
1974	201.00	369.90	249.70	1974	114.30	448.70	129.20
1975	178.60	263.10	196.90	1975	126.60	347.30	134.10
1976	154.60	309.00	228.40	1976	122.90	240.60	143.90
1977	161.60	346.30	262.30	1977	142.20	284.00	157.30
1978	183.40	369.90	259.20	1978	129.60	272.30	156.80
1979	245.60	471.90	407.40	1979	121.40	314.70	179.00
1980	198.40 249.60	661.70 575.00	545.00 268.80	1980 1981	191.80 251.20	437.50 295.00	274.20
1981 1982	296.60	5/5.00	296.60	1982	203.40	304.60	252.60 257.10
				None de de			
No. 1 Sawmil 1972	93.30	153.40	123.20	Ungraded:	70.90		70.00
1972	150.60	446.10	344.80	1972 1973	85.00	172.70	70.90 86.60
1974	223.50	444.00	272.80	1974	100.80	1/2.70	100.80
1975	166.30	310.30	200.60	1975	114.00		114.00
1976	164.60	419.30	280.00	1976	130.50	125.60	130.20
1977	179.60	420.60	297.60	1977	169.00		169.00
1978	196.80	473.70	294.70	1978	214.50		214.50
1979	297.90	599.10	492.40	1979	257.80		257.80
1980	389.70	835.70	721.10	1980	208.10	329.00	210.70
1981 1982	322.60 331.90	563.00	344.40 331.90	1981 1982	160.00 140.00		160.00 140.00
					•		• 12122
√o. 2 Sawmil 1972	74.90	122.20	88.10	Average: 1972	74.00	135.70	85.10
1973	104.70	260.10	177.80	1973	90.80	353.20	158.30
1974	148.60	284.10	170.70	1974	138.10	393.30	165.90
1975	139.00	228.90	149.80	1975	131.80	252.40	145.50
1976	141.30	249.00	173.70	1976	132.20	337.60	188.40
1977	148.80	280.00	194.30	1977	146.10	194.90	170.60
1978 1979	170.60 242.80	307.00 433.30	198.60 315.70	1978 1979	146.80	323.90 414.20	185.00 269.50
1980	296.60	563.30	419.80	1980	160.60 223.30	547.60	352.20
1981	278.20	291.40	278.50	1981	258.30	289.80	259.90
1982	246.70		246.70	1982	105.00	303.60	137.40
lo. 3 Sawmil	1:						
1972	60.20	97.40	64.60				
1973	92.50	234.90	121.40				
1974	113.80	236.30	120.60				
1975	108.20	186.50	110.70				
1976	127.60	227.40	144.30				
1977	135.20	225.50	145.90				
1978	154.60	268.10	189.50				
1979	170.40	328.80	234.30				
1980	259.70	434.60	276.10				
1981 1982	217.90 202.30	233.70 211.50	219.40 202.50				

Table 42--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1978-83 (In thousand board feet, Scribner scale)

							-			
				1	982			1983		
1978	1979	1980	1981	TOTAL	20 QTR.	IST UTK.	20 QTR.	30 yTk.	4TH QTR.	TUTAL
1,097,543	1,222,548	1,114,024	1,224,969	1,060,085	202,604	333,610	310,440			
175,155	1,150,555	303,303	300,003	001,555	120,551	132,100	30,073			
1,339,675	2,396,365	1,624,516	1,607,014	1,670,555	322,934	486,609	411,864			
202 002	420 010	420 621	200 020	222 216	101 521	00 772	04 275			
					36	00,772	94,270			
157,396	140,247	211,205	53,795	44,583	4,484	2,589	41,981			
30,385	125,505	80,345	53,710	89,620	29,535	12,410	8,705			
570,737	689,216	721,979	500,432	459,543	135,576	95,871	144,962			
	2,441,324	2,643,716	2,378,903	2,418,057	480,878	906,967	381,433			
210,353	219,370	230,931	133,401	301,347	97,037	20,091	55,757			
3,563,159	3,550,499	4,032,673	3,548,331	3,934,334	852,028	1,151,011	720,200			
		1 160 207		1 1/4 0:4	017 270	2. (0.5	110 7.10			
8,379	7,499	5,992	1,040	13,350	5,837	0	1,726			
1,288,131	1,301,140	1,202,100	1,368,864	1,282,249	265,768	356,626	237,577			•
4,838,134	5,356,368	5,354,698	5,287,829	4,970,721	1,032,381	1,677,975	995,938			
1,122,657	898,967		1,052,381	1,232,552	283,770	217,953	255,467			
376,639	178,568	243,612	125,627	136,556	6,596	3,528	60,161			
218,732	220,0//	244,923	130,501	315,29/	103,094	20,091	97,403			
	1,097,543 66,923 175,155  1,339,675 382,902 54 157,396 30,385 570,737  2,242,355 1,110,451 0 210,353  3,563,159  1,11,280 12,152 152,320 8,379  1,288,131  4,838,134 1,122,657 376,639 205,540 218,732	1,097,543 1,222,548 66,923 22,882 175,155 1,150,935  1,339,675 2,396,365 382,902 420,819 54 2,645 157,396 140,247 30,385 125,505  570,737 689,216 2,242,355 2,441,324 1,110,451 889,797 0 210,353 219,378  3,563,159 3,550,499  1,11 ,280 1,271,677 12,152 6,525 152,320 15,439 8,379 7,499  1,288,131 1,301,140 4,638,134 5,356,368 1,226,57 376,639 178,568 898,967 376,639 178,568 205,540 1,276,440 218,732 226,377	1,097,543	1,097,543 1,222,548 1,114,024 1,224,969 66,923 22,882 6,927 13,460 175,155 1,150,935 503,565 368,885  1,339,675 2,396,365 1,624,516 1,607,014 382,902 420,819 428,631 389,029 54 2,645 1,798 3,898 157,396 140,247 211,205 53,795 30,385 125,505 80,345 53,710  570,737 689,216 721,979 500,432 2,242,355 2,441,324 2,543,716 2,378,903 1,110,451 889,797 1,150,026 1,030,627 0 0 3,340 210,353 219,378 238,931 135,461  3,563,159 3,550,499 4,032,673 3,548,331 1,11,280 1,271,677 1,168,327 1,294,928 12,152 6,525 2,301 17,864 152,320 15,439 25,480 55,032 8,379 7,499 5,992 1,040  1,288,131 1,301,140 1,202,100 1,368,864 4,838,134 5,356,368 5,354,698 5,287,829 1,122,657 898,967 1,154,125 1,052,381 376,639 178,568 243,612 125,627 205,540 1,276,440 583,910 422,595 218,732 226,877 244,923 136,501	1978         1979         1980         1981         TOTAL           1,097,543         1,222,548         1,114,024         1,224,969         1,060,085         66,923         22,882         6,927         13,460         2,535           175,155         1,150,935         503,565         368,885         601,935           1,339,675         2,396,365         1,624,516         1,607,014         1,670,555           382,902         420,819         428,631         389,029         322,315           157,396         140,247         211,205         53,795         44,583           30,385         125,505         80,345         53,710         89,620           570,737         689,216         721,979         500,432         459,543           2,242,355         2,441,324         2,643,716         2,378,903         2,418,057           1,110,451         889,797         1,150,026         1,030,627         1,214,330           20         0         0         3,340         0           210,353         219,378         238,931         135,461         301,947           3,563,159         3,550,499         4,032,673         3,548,331         3,934,334           1,11,280         1,	1,097,543 1,222,548 1,114,024 1,224,969 1,060,085 202,604 66,923 22,882 6,927 13,460 2,535 0 175,155 1,150,935 503,565 368,885 601,935 120,331  1,339,675 2,396,365 1,624,516 1,607,014 1,670,555 322,934  382,902 420,819 428,631 389,029 322,315 101,521 54 2,645 1,798 3,898 3,025 36 157,396 140,247 211,205 53,795 44,583 4,484 30,385 125,505 80,345 53,710 89,620 29,535  570,737 689,216 721,979 500,432 459,543 135,576  2,242,355 2,441,324 2,643,716 2,378,903 2,418,057 480,878 1,110,451 889,797 1,150,026 1,030,627 1,214,330 273,293 0 210,353 219,378 238,931 135,461 301,947 97,857  3,563,159 3,550,499 4,032,673 3,548,331 3,934,334 852,028  1,11 ,280 1,271,677 1,168,327 1,294,928 1,164,264 247,378 12,152 6,525 2,301 17,864 15,197 10,441 152,320 15,439 25,480 55,032 89,438 2,112 8,379 7,499 5,992 1,040 13,350 5,837  1,288,131 1,301,140 1,202,100 1,368,864 1,282,249 265,768  4,838,134 5,356,368 5,354,698 5,287,829 4,970,721 1,032,381 1,122,657 898,967 1,154,125 1,052,381 1,232,552 283,770 376,639 178,568 243,612 125,627 136,556 6,596 205,540 1,276,6440 583,910 422,595 149,865	1978 1979 1980 1981 TOTAL 20 QTR. 1ST QTR.  1,097,543 1,222,548 1,114,024 1,224,969 1,066,085 202,604 333,610 66,923 22,882 6,927 13,460 2,535 0 839 175,155 1,150,935 503,565 368,885 601,935 120,331 152,160  1,339,675 2,396,365 1,624,516 1,607,014 1,670,555 322,934 486,609 382,902 420,819 428,631 389,029 322,315 101,521 80,772 54 2,645 1,798 3,998 3,025 36 0 0157,390 140,247 211,205 53,795 444,583 4,484 2,589 30,385 125,505 80,345 53,710 89,620 29,535 12,410  570,737 689,216 721,979 500,432 459,543 135,576 95,871 2,242,355 2,441,324 2,643,716 2,378,903 2,418,057 480,878 906,967 1,110,451 889,797 1,150,026 1,030,627 1,214,330 273,293 217,953 0 0 3,340 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1978 1979 1980 1981 TOTAL 20 QTR. 1ST QTR. 20 QTR.  1,097,543 1,222,548 1,114,024 1,224,969 1,066,085 202,604 333,610 310,440 66,923 22,882 63,927 13,460 2,535 0 839 4,549 175,155 1,150,935 503,565 368,885 601,935 120,331 152,160 96,875  1,339,675 2,396,365 1,624,516 1,607,014 1,670,555 322,934 486,609 411,864 382,902 420,819 428,631 389,029 322,315 101,521 80,772 94,276 54 2,645 1,798 3,898 3,025 36 0 0 0 0 157,396 140,247 211,205 53,795 44,583 4,484 2,589 41,981 30,385 125,505 80,345 53,710 89,620 29,535 12,410 8,705   570,737 689,216 721,979 500,432 459,543 135,576 95,871 144,962 2,242,355 2,441,324 2,643,716 2,378,903 2,418,057 480,878 906,967 361,433 1,110,451 889,797 1,150,026 1,030,627 1,214,330 273,293 217,953 240,675 0 0 0 3,340 0 0 0 0 2,361 0 0 0 2,361 0 0 0 2,361 0 0 0 0 2,361 0 0 0 0 2,361 0 0 0 0 0 2,361 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,097,543 1,222,548 1,114,024 1,224,969 1,066,095 202,604 333,610 310,440 66,923 22,882 6,927 13,460 2,535 0 839 4,549 96,875 175,155 1,150,935 503,565 368,885 601,935 120,331 152,160 96,875 1,150,935 120,331 152,160 96,875 1,150,935 120,331 152,160 14,067,014 1,670,555 322,934 486,609 411,864 382,902 420,819 428,631 389,029 322,315 101,521 80,772 94,276 54 2,645 1,798 3,898 3,025 36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1978 1979 1980 1981 TOTAL 20 QTR. 1ST QTA. 20 QTR. 30 QTA. 4TH QTA.  1,097,544 1,222,548 1,114,024 1,224,969 1,066,085 202,604 333,610 310,440 66,923 22,882 6,927 13,460 2,535 0 839 4,549 175,155 1,150,935 503,565 368,885 601,935 120,331 152,160 96,875  1,339,675 2,396,365 1,624,516 1,607,014 1,670,555 322,934 486,609 411,864 382,902 420,819 428,631 389,029 322,315 101,521 80,772 94,276 54 2,645 1,798 3,898 3,025 36 0 0 0 10 10 10 10 10 10 10 10 10 10 10

Source--respective agencies listed.

 $<sup>^{1}</sup>$ Convertible products only.

<sup>&</sup>lt;sup>2</sup>Excludes sales under \$2,000.

<sup>&</sup>lt;sup>3</sup>Siletz Reservation formed 1980.

Table 43--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1978-83 (In dollars per thousand board feet)

					19	82			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	20 QTR.	1ST QTR.	2D QTR.	30 QTR.	4TH QTR.	AVERAG
Wastern Washington:									-		
U.S. Forest Service <sup>1</sup>	129.57	224.68	208.06	180.57	61.48	51.17	61.38	84.11			
U.S. Bur. Indian Affairs	120.34	264.95 332.10	182.32	129.09	128.64	125 60	90.73	103.53			
State of Washington <sup>2</sup>	231.31	332.10	304.71	208.95	146.88	135.68	152.17	135.45			
Average	142.84	276.66	237.91	186.65	92.35	83.02	90.02	97.34			
Eastern Washington:											
U.S. Forest Service <sup>1</sup>	186.69	104.68	90.92	77.57	30.61	30.20	50.07	56.09			
U.S. Bur. Land Manage. U.S. Bur. Indian Affairs	123.48 165.37	16.80 212.01	21.25 162.32	105.60 173.78	43.64	55.56	4.1 71	00 20			
State of Washington <sup>2</sup>	162.13	210.79	207.67	198.94	191.17 115.52	99.70 89.38	61.71 75.46	89.30 78.50			
State of Washington-	102.13	210.79	207.07	130.34	115.52	03.30	/5.40	/0.30			
Average	179.49	145.50	124.63	101.15	62.83	45.40	53.68	67-05			
Western Oregon:											
U.S. Forest Service <sup>1</sup>	210.96	332.09	354.60	276.36	92.44	78.19	138.74	131.32			
U.S. Bur. Land Manage.	196.36	292.59	323.63	246.68	89.40	78.77	130.89	125.59			
U.S. 8ur. Indian Affairs <sup>3</sup>	226 22	214 02	222 25	365.16	117.50	105 22	144 10	170.20			
State of Oregon	226.23	314.93	332.25	262.31	117.52	105.32	144.12	186.42			
Average	207.31	321.13	344.44	269.30	93.43	81.50	143.52	136.86			
Eastern Oregon:											
U.S. Forest Service <sup>1</sup>	171.04	169.55	130.22	144.49	77.28	57.94	89.52	77.20			
U.S. Bur. Land Manage.	206.17	103.25	118.72	84.31	62.45	52.10		43.00			
U.S. Bur. Indian Affairs	113.72 134.91	196.29 229.38	266.61 186.29	112.47 16.00	82.85 111.66	85.02 125.73		169.54 59.68			
State of Oregon	134.91	229.30	100.29	10.00	111.00	123.73		39.00			
Average	164.36	169.88	133.37	142.32	56.33	59.42	89.52	79.32			
All public lands:											
U.S. Forest Service <sup>1</sup>	181.49	251.12	254.06	208.60	72.69	63.43	108.69	98.08			
U.S. Bur. Land Manage.	196.46	290.41	322.75	243.40	88.96	77.79	130.89	120.81			
U.S. Bur. Indian Affairs <sup>3</sup>	136.48	217.43	173.80	147.23	119.07	95.00	68.61	108.57			
State of Washington <sup>2</sup>	221.08	320.17	291.35	207.68	142.82	126.56	146.38	134.43			
State of Oregon	222.73	312.10	328.68	260.43	114.27	106.47	144.12	184.18			
Average	184.01	267.66	267.21	213.67	84.80	74.98	117.73	110.40			

Source--respective agencies listed.

1Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

<sup>2</sup>Excludes sales under \$2,000.

3Siletz Reservation formed 1980.

Table 44--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Reyion, 1972-83<sup>1</sup> (In dollars per thousand board feet)

	DOUGLAS-FIR	S-FIR	PONDERUSA									HUBLE FIR	OTHER	
YEAR AND QUARTER	WEST SIDE	EAST SIDE	AND JEFFREY PINES	SUGAR PINE	WHITE	LODGEPOLE PINE	ENGELMANN SPRUCE	SITKA SPRUCE	WESTERN HEMLOCK	CEDARS2	LARCH	ANO SHASTA REU FIR	TRUE FIRS	ALL SPECIES
1972	71.70	15.60	38.40		35.80	10.60	27.20	28.00	49.00	67.50	13.50	100.20	33.00	53.20
1973	138.10	60.40	77.70		50.70	38.40	55.60	93.40	99.20	146.80	53.90	81.40	73.80	102.80
1974	202.40	68.20	110.60		121.00	25.70	50.20	72.60	110.80	217.00	11.00	136.20	80.90	142.40
1975	169.50	34.30	43.10		84.40	15.40	13.70	75.90	68.50	119.20	5.80	117.70	45.10	101.60
1976	176.20	38.60	139.40		116.00	40.20	10.50	83.10	78.10	160.30	20.30	105.60	55.00	113.20
1978	250.31	98.50	218.70	207.90	123.70	41.60	85.40	109.50	111.70	206.60	56.40	122.50	99.10	185.00
1979	394.30	81.70	238.00		181.90	47.10	51.60	227.90	197.10	329.10	90.50	211.30	189.80	270.00
1980	432.20	70.80	190.80		102.80	44.60	34.20	306.50	208.00	301.00	43.60	241.80	167.90	285.50
1981	350.20	94.00	206.40		100.60	36.60	15.00	238.00	162.00	168.70	69.70	147.30	103.30	230.60
1st quarter	152.10	59.20	110.00		105.60	33.30	00.9	86.30	48.90	101.90	18.50	48.60	70.38	109.20
2d quarter	09.76	36.10	78.60	32.60	29.00	15.50	18.40	93.10	33.20	106.80	58.30	50.30	31.20	69.30
3d quarter	91.70	27.80	54.60		41.30	9.50	21.90	25.50	37.80	72.90	15.30	16.30	24.80	59.20
4th quarter	134.30	29.30	73.10		54.40	17.20	8.50	41.70	69.00	142.20	15.90	16.00	43.40	96.40
1982 average	35.80	78.60	83.60	50.00	17.40	17.40	19.50	49.50	44.60	101.90	37.50	28.40	40.00	80.20
1983 1st quarter 2d quarter	180.50 152.80	31.70 57.00	132.70 127.90	64.00 165.60	24.80	18.90 22.30	22.10 37.60	25.90 18.50	52.60 71.80	51.00	31.60	39.50	57.10 77.30	122.60 112.90
ou quarter 4th quarter														
1983 average														

Source--Forest Service, U.S. Department of Agriculture. Pacific Northwest Reyion includes Oregon and Washington.

lprices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2 Includes Port-Orford-cedar.

Table 45--Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior,  $1981-82\frac{1}{2}$ 

(Volume in cubic meters; value in Canadian dollars  $\frac{2}{3}$ )

	COA	AST <u>4</u> /	INT	ER IOR 5/
SPECIES AND YEAR	VOLUME	AVERAGE VALUE	VOLUME	AVERAGE VALUE
Balsam: 1981 1982	3,481 2,260	9.43 2.90	4,127 3,450	1.55 1.18
Cedar: 1981 1982	3,697 2,871	7.36 3.25	1,443 1,313	2.05 1.74
Cypress: 1981 1982	573 387	53.37 17.28	4 4	14.16 8.67
Fir: 1981 1982	1,563 1,292	13.32 6.28	3,235 2,802	3.29 2.03
Hemlock: 1981 1982	6,969 5,200	9.55 2.65	2,288 1,313	.94 .91
Larch: 1981 1982	0		276 211	1.64 1.33
Lodgepole pine: 1981 1982	11 2	2.36 2.00	12,300 10,315	1.26 1.21
Spruce: 1981 1982	768 771	31.97 10.93	12,549 12,075	2.66 1.36
White pine: 1981 1982	31 25	6.84 2.56	320 164	9.54 5.68
Other species: 1981 1982	34 48	2.21 2.98	90 90	3.27 1.97
All species: 1981 1982	17,127 12,858	11.85 4.13	36,352 31,737	2.02 1.37

Source--Province of British Columbia Ministry of Forests Annual Report, Victoria.

 $<sup>\</sup>frac{1}{2}$ / Fiscal year ending March 31.

<sup>2</sup>/Factors to convert cubic meters to board feet, Scribner scale, vary according to size and quality of timber. Size and quality may vary from one year to the next and between the coast and interior regions. For the coast, the approximate conversion factor lies between 5.0 and 6.0 cubic meters per 1,000 board feet; for the interior, 5.75 and 6.5 cubic meters per 1,000 board feet.

 $<sup>\</sup>underline{3}/$  Average stumpage prices do not reflect the effect of road and other credits against stumpage as authorized under section 88 of the British Columbia Forest Act of 1978.

 $<sup>\</sup>underline{4}/\text{Coast}$  region includes portions of Prince Rupert and Vancouver forest regions.

<sup>5</sup>/Interior region includes Cariboo, Kamloops, Nelson, Prince George, and portions of Prince Rupert and Vancouver forest regions.

Table 46--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$ / (Volume in thousand board feet, scribner scale; value in dollars per thousand board feet)

NAT IONAL		OOUGLA	S-F1R		PONDERO JEFFREY			TERN LOCK	TRUE	FIRS3/	ALL	SPEC1ES
FOREST	WEST VOLUME	VALUE	VOLOBE	VALUE	VOLUME	VALUE	VULUME	VALUE	VOLUME	VALUE	VOLUMÉ	VALUE
destern Oregon: Nount Hood 1st qtr. 2d qtr. 3d qtr. 4th qtr.	96,955 23,639	207.60 196.75	4,120 1,150	27.70 21.91	1,480 1,090	17-28 95-23	42,035 8,240	73.30 121.90	210 1,310	7.37 3.39	190,449 41,954	126.5) 142.0
Total and average Rogue River 1st qtr. 2d qtr. 3d qtr. 4th qtr.	24,750 22,775	204.44 159.25	O		3,850 520	70.71 27.05	110 U	14.13	10,570 16,755	164.63 97.87	48,810 44,841	157.15
Total and average Siskiyou 1st qtr. 2d qtr. 3d qtr. 4th qtr.	33,305 37,750	205.84 133.89	U O		110 860	45.93 24.16	1,400	8.92 33.38	200 530	11.92 12.76	40,870 49,450	182.95 122.05
Total and average Siuslaw 1st qtr. 2d qtr. 3d qtr. 4th qtr.	118,891 55,931	160.04 169.09	Ů		U		14,100 9,320	84.68 114.63	0		150,423 70,127	145.39 151.01
Total and average Umpqua 1st qtr. 2d qtr. 3d qtr. 4th qtr.	123,411 47,883	221.48 203.88	0		U O	==	5,900 2,500	19•97 18•96	12,600	10.44	167,911 58,931	168.46 108.97
Total and average Willamette 1st qtr. 2d qtr. 3d qtr. 4th qtr.	179,580 66,320	193.90 147.59	0		500 0	34.13	30,760 10,730	13.10 84.17	8,660 1,440	19.68 23.79	301,018 103,322	119.98 111.70
Total and average  All western Oregon: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	576,892 254,298	197.91 166.50	4,120 1,150	27.70 21.91	5,940 2,470	53.09 55.25	95,025 30,830	51.14 98.11	32,240 20,035	63.46 84.11	899,481 308,625	
Total and average Western Washington: Gifford Pinchot 1st qtr. 2d qtr. 3d qtr. 4th qtr.	45, u5u 67, 290	166.43 143.18	0 0		0		17,800 13,750	90.65 49.96		92.27 81.11	101,545 115,i55	
Total and average  Mount Baker-Snoqualmie 1st qtr. 2d qtr. 3d qtr. 4th qtr.	9,370 17,835	104.91 67.54	0	==	0		30,893 39,531	52.63 67.19	11,200 13,410	86.55 133.81	70,810 68,276	57.24 75.51
Total and average  Ulympic 1st qtr. 2d qtr. 3d qtr. 4th qtr.	46,930 17,310	26.79 97.56	0		U		79,970 53,680	43.98 65.40	∪ ∠,900	159.44	155,430 93,857	34.12 70.36

Table 46--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$ / (continued) (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

NAT 10NAL		DOUGLA	NS-F1R			USA ANU Y PINES	WEST HEIRL		TRUE	F1KS3/	ALI	SPECIES
FOREST	VOLUME	SIDE	VOLUME	S1DE VALUE	VOLUNE	VALUE						
	VOLUNE	VALUE	VOL UNE	VALUE	VOLUME	VALUE	VOLUME	VALUE	VULUME	VALUE	VOLUME	VALU
All western Washingto 1st qtr. 2d qtr. 3d qtr. 4th qtr.	001: 101,350 102,435	94.01 122.30	0		U		120,663 106,961	52.51 64.07	35,515 35,395	90.46 107.52	327,835 297,290	ხ3. ნ 87. 9
Total and average						_						
All western Uregon and western Washington: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	o78,242 356,733	132.39 153.81	4,120 1,150	27.70 21.91	5,940 2,470	53.09 55.25	223,086 137,791	51.93 71.09	67,755 55,430	77.92 99.06	1,227,310 005,915	119.3
Total and average												
Eastern Oregon: Oeschutes 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		0 1,720	117.09	28,160 9,913	144.71 228.70	0	==	130 197	3.68 20.00	40,710 25,049	104.3 112.3
Total and average												
Fremont 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		0		12,290 22,450	67.24 196.39	0		3,750 1,300	11.24 10.93	25,455 23,950	45.3. 184.69
Total and average	···											
Malheur lst qtr. 2d qtr. 3d qtr. 4th qtr.	0		5,815 1,630	11.71 9.50	62,330 27,930	117.01 133.96	ن 0		4,635 1,156	2.58 8.75	75,845 30,975	99.45 123.68
Total and average												
Ochoco 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		2,400 4,250	16.29 27.83	44,170 18,120	77.54 91.60	0		0 1,700	24.29	46,570 24,070	74.38 75.59
Total and average												
Umatilla lst qtr. 2d qtr. 3d qtr. 4th qtr.	0		7,000 1,000	27.90 9.65	6,000 1,300	120.39 13.65	0		13,500 4,800	19.39 28.57	40,770 10,100	29.23 17.58
Total and average												
Wallowa-Whitman 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		12,405 16,930	19.60 11.30	14,340 14,120	62-81 39.06	0		12,700 10,100	10.91 5.25	01,545 43,446	24.53 18.40
Total and average												
Winema 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		800 0	0.41	48,600 4,700	247.80 112.84	U U		10,900 11,200	02.57 13∪.49	66,000 16,600	195.24 120.65
Total and average  All eastern Oregon: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	U O	==	28,420 25,530	19.38 21.00	215,890 98,533		U U		45,015 30,453	27.15 56.52	355,895 174,190	89.67 91.09

Table 46--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$  (continued) (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

NATIONAL		00UGL#	S-FIR			OSA ANO Y PINES	WEST HEMI	EKN OCK	TDUE	FIKS <u>3</u> /	n. l	200 100
FUREST	WEST	SIOE	EAST	SIOE	JEFFRE	I PINES			IKUL	1 1K2=1	ALL	SPECIES
	VOLUME	VALUE	VOLUME	VALUE	VOLUNE	VALUE	VOLUME	VALUE	VOLUME	VALUE	VULUME	VALUE
Eastern Washington: Colville 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		77 3,998	80.89 160.63	700 0	24.04 	176 74	50.25 65.82	2,300 3,905	12.95 10.83	30,600 14,935	20.29 58.10
Total and average												
Okanogan lst qtr. 2d qtr. 3d qtr. 4th qtr.	0		20,300 22,000	27.56 67.45	9,200 1,935	141.17 71.00	0		0		31,300 23,935	61.09 67.74
Total and average												
Wenatchee 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0	==	5,260 4,930	127.60 121.51	2,100 2,400	68.18 41.32	2,140	19.13	5,U10 4,U25	114.81 18.65	6,720 14,320	86.07 62.00
Total and average												
All eastern Washingto 1st qtr. 2d qtr. 3d qtr. 4th qtr.	n: 0 0		25,637 30,928	46.24 88.11	12,000 4,335	121.56 54.57	2,316	21.49 65.82	7,310 7,930	82.76 17.76	78,620 53,190	50.05 63.49
Total and average												
All eastern Oreyon and eastern Washington: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0		54,057 56,458	33.08 57.77	227,890 102,868	134.80 130.40	2,316 74	21.49 65.82	52,925 38,383	34.84 48.51	435,515 227,3d0	82.62 84.63
Total and average												
Pacific Northwest Region 1st qtr. 2d qtr. 3d qtr. 4th qtr.	: 678,242 356,733	182.39 153.81	58,177 57,608	32.69 56.70	233,830 105,338	132.73 128.63	226,004 137,865	51.62 71.69	120,680 93,813	58.85 78.38	1,662,831 893,295	109.74 106.15
Total and average												
All of Oregon: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	576,892 254,298	197.91 166.50	32,540 26,680	20.43 21.04	221,830 101,003		95,025 30,830	51.14 98.11	77,855 50,488	42.19 67.47	1,200,370 542,815	
Total and average												
All of Washington: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	101,350 102,435	94.01 122.30	25,637 30,928	48.24 88.11	12,000 4,335	121.56 54.57	130,979 107,035	51.96 64.08	42,825 43,325	89.15 91.09	406,455 350,480	61.01 84.27
3d qtr.	102,433	122.30	30,920	00.11	4,333	54.57	107,035	04.00	40,320	31.09	330,400	04.

Source--U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington-

#### $\frac{1}{2}$ /Preliminary.

 $\frac{2}{7}$  Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

<sup>3</sup>/ Does not include noble fir or Shasta red fir.

Table 47--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1978-83 (In thousand board feet, Scribner scale)

	AGENCY 1978	Montana: U.S. Forest Service <sup>1</sup> 533,161 U.S. Bur. Land Manage. <sup>2</sup> 4,576 U.S. Bur. Indian Affairs 6,880 State of Montana	Total 569,653	Idaho: U.S. Forest Service <sup>1</sup> 836,629 U.S. Bur. Land Manaye. <sup>2</sup> 27,656 U.S. Bur. Indian Affairs 8,491 State of Idaho	Total 993,039	All public lands: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana State of Idaho	Total 1,562,690
	1979	1. 512,023 6 9,148 0 37,468 6 28,110	.3 586,749	9 843,992 6 778 1 1,609 1 179,307	9 1,025,686	0 1,356,015 2 9,926 1 39,077 6 28,100 1 179,307	0 1,612,435
	1980	579,943 11,079 25,405 24,662	642,089	828,507 19,283 2,381 222,137	1,072,308	1,408,450 30,362 27,786 24,662 222,137	1,713,397
	1981	536,133 9,061 24,693 28,853	598,740	741,147 33,221 14,484 14,820	803,672	1,277,280 42,282 39,177 28,853 14,820	1,402,412
19	TOTAL	547,509 6,265 17,198 25,417	596,442	687,320 11,538 7,070 38,727	744,655	1,234,829 17,803 24,268 25,470 38,727	1,341,097
1982	20 ųTR.	179,983 104 1,699 2,339	184,125	208,305 2,566 4,818 9,442	225,131	388,288 2,670 6,517 2,339 9,442	409,256
	1ST QTR.	123,057 75 453 5,481	129,066	131,481 238 0 22,012	153,731	254,538 313 453 5,481 22,012	282,797
	2D QTR.	220,534 557 5,674 5,922	232,687	176,129 7,950 8,376 28,525	220,980	396,663 8,507 14,050 5,922 28,525	453,667
1983	3D ŲTR.						
	4ТН ОТВ.						
	TOTAL						

Source--respective agencies listed.

lConvertible products only.

<sup>2</sup>Does not include cull log sales.

Table 48--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1978-83 (In dollars per thousand board feet)

					1982	.2			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	2D QTR.	1ST QTR.	2D QTR.	3D QTR.	4TH QTR.	AVERAGE
Montana: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manaye. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana	62.12 50.25 35.78 104.76	59.66 41.99 114.61 114.36	43.31 60.39 104.81 79.44	57.46 39.52 65.05 99.28	29.80 32.17 73.50 81.39	33.76 11.04 147.71 76.50	34.73 7.93 17.56 62.74	33.39 14.90 50.03 82.52			
Average	63.58	65.52	47.43	59.52	33.28	35.34	35.84	35.00			
Idaho: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Idaho	52.10 83.46 67.51 133.14	63.56 63.70 119.89 102.23	40.74 47.09 129.09 92.21	43.27 55.45 83.15 101.83	28.28 26.71 78.79 45.28	36.81 61.68 82.44 60.05	54.29 9.34 	44.91 76.90 78.87 64.02			
Average	62.92	70.41	51.71	44.88	29.62	39.04	59.41	49.82			
All public lands: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana State of Idaho	56.00 78.75 53.31 104.76 133.14	62.09 43.69 114.83 114.36	41.80 51.94 106.53 79.44 92.21	49.22 38.92 71.74 99.28 101.83	28.95 28.63 75.04 81.39 45.28	35.39 59.71 99.45 76.50 60.05	44.83 9.00 17.56 62.74 90.53	38.51 72.84 67.23 82.52 64.02			
Average	63.16	68.63	50.11	51.13	31.25	37.38	48.65	42.22			

Source--respective agencies listed.

1Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpaye on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

200es not include cull log prices.

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YEAR AND QUARTER	DOUGLAS- FIR	PONDERUSA PINE	WESTERN WHITE PINE	LODGEPOLE PINE	ENGELMANN SPRUCE	WESTERN HEMLOCK	CEDARS	LARCH	TRUE FIRS	ALL SPECIES
1972	26.70	35.50	30.30	16.50	27.00	12.90	28.50	34.30	19.20	26.50
1973	50.70	66.50	65.90	38.30	65.80	42.60	45.20	06.30	46.10	53.30
1974	31.90	63.50	117.80	19.40	39.10	28.90	26.50	38.90	29.20	44.70
1975	14.40	22.40	36.20	19.20	10.90	2.00	42.50	20.30	4.80	18.30
1976	23.00	56.80	91.40	16.70	42.20	09.6	45.80	52.90	9.30	35.40
1977	41.50	09.96	122.70	38,30	61.40	11.90	72.00	72.20	20.20	53.20
1978	41.20	113.50	146.00	44.70	85.80	42.50	144.90	09.69	37.30	64.80
1979	51.90	127.20	185.60	34.40	75.90	62.10	117.20	91.40	43.90	70.90
1980	20.50	112.70	80.10	42.70	44.10	171.80	123.20	73.80	30.10	53.40
1981	44.20	74.20	149.70	54.50	63.00	61.40	95.60	67.20	78.40	63.90
1982	26.60	48.10	81.40	34.60	27.20	71.10	06.09	28.30	37.70	36.20
1983										
1st quarter	38,30	63.90	108.40	26.50	32.30	71.60	133.40	46.00	48.00	48.12
2d quarter	35.40	24.30	120.60	40.60	31.10	58.20	140.80	61.00	84.20	51.90
3d quarter										
4th quarter										
1983 average										

Source--Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

1Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

Table 50--Volume of timber sold on publicly owned or managed lands in Alaska, 1978-83

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scal
Scribner
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board
thousand
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						1982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	ZU QTR.	1ST QTK.	2u QTR.	3D ųTR.	4ТН ЧТК.	TOTAL
U.S. Forest Service <sup>1</sup>	175,140	93,733	145,285	163,700	71,429	48,290	878	969,0			
U.S. Bur. Land Manage. $^2$	142	22	125	32	1,270	n	9	0			
U.S. Bur. Indian Affairs	440	258,360	12,794	200	7,680	0	0	0			
State of Alaska	6,932	156,235	4,949	18,402	24,154	4,500	3,900	3,960			
Total	182,654	508,350	163,153	182,334	104,533	52,790	4,878	10,656			

Source--respective agencies listed.

1Convertible products only.

 $^2\mathrm{Does}$  not include cull log sales or volume given away through free use permits.

Table 51--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1978-83

(In dollars per thousand board feet)

					19	1982			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	2D QTR.	1ST QTR.	2D QTR.	30 QTR.	4TH OTR. AVERAGE	AVERAGE
U.S. Forest Service <sup>1</sup>	51.73	159.71	101.72	46.91	32.03	32.28	17.24	65.76			
U.S. Bur. Land Manage. <sup>2</sup>	94.72	34.09	00.9	34.00	28.08	;	1	1			
U.S. Bur. Indian Affairs	00.08	5.31	151.83	2.00	122.40	1	;	ł			
State of Alaska	26.60	3.22	24.63	19.21	18.23	18.97	17.06	18.93			
Average	50.88	33.14	103.24	44.06	35.43 42.80	42.80	17.09	48.21			

Source--respective agencies listed. Includes products other than sawtimber.

¹Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpaye on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2boes not include cull log sales or volume given away through free use permits.

Table 52--Average stumpage prices for sawtimper sold on National Forests by selected species, Alaska Region, 1972-831

(In dollars per thousand poard feet)

YEAR AND QUARTER	SITKA SPRUCE	WESTERN HEMLOCK	CEDAR AND OTHER SOFTWOODS	ALL SPECTES
1972	7.30	7.90	1.00	7.60
1973	13.30	11.50	21.10	12.50
1974	41.80	22.30	41.70	28.80
1975	33.00	18.10	60.70	23.20
1976	25.10	12.00	67.30	28.00
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982				
1st quarter	30.10	6.20	1.60	10.60
2d quarter	34.90	6.40	27.10	30.80
3d quarter	128.20	23.60	71.80	47.40
4th quarter	66.30	6.70	3.90	22.80
1982 average	39.00	14.50	35.70	32.40
1983				
1st quarter	24.50	7.70	13.80	17.10
2d quarter 3d quarter 4th quarter	70.50	47.20	6.90	60.50

Source--Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

<sup>1</sup>Prices received for individual sales may vary significantly from the averages snown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

Table 53--Volume of timber sold on publicly owned or managed lands in California, 1978-83 (In thousand board feet, Scribner scale)

					1982				1983		
AGENCY	1978	1979	1980	1981	TOTAL	ZD QTR.	1ST QTR.	20 UTK.	30 QTR.	4TH QTK.	TOTAL
U.S. Forest Service <sup>1</sup>	2,001,607	2,001,607 2,071,263 1,875,796 1,899,263	1,875,796	1,899,263	1,617,664	483,374	437,956	458,723			
U.S. Bur. Land Manage. <sup>2</sup>	13,107	4,195	17,203	14,471	33,358	2,534	513	NA			
U.S. Bur. Indian Affairs	37,200	33,729	22,230	11,000	63,595	33,595	0	3,000			
State of California	27,333	21,833	30,328	10,480	34,726	31,263	17,342	13,775			
Total	2,079,247	2,079,247 2,131,020	1 1	1,945,557 1,935,214	1,749,353	550,766	455,811	NA			

Source--respective agencies listed.

1Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

Table 54--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1978-83 (In dollars per thousand board feet)

					19	1982			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	20 QTR.	1ST QTK.	ZD ŲTR.	3D QTK.	4ТН ЧТК.	AVERAGE
U.S. Forest Service1	145.57	201.08	241.39	149.78	53.87	55.45	83.83	60.86			
U.S. Bur. Land Manage. <sup>2</sup>	96.39	102.59	173.25	84.20	47.05	55.92	83.04	MA			
U.S. Bur. Indian Affairs	125.34	157.70	158.28	224.73	153.90	154.70	I I	110.00			
State of California	273.35	370.76	283.94	190.57	133.93	143.09	247.97	116.05			
Average	146.58	201.94	240.51	180.70	58.97	66.40	90.04	H'H			

Source--respective agencies listed.

lprices received for individual sales may vary significantly from the averages snown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on Mational Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Does not include cull log sales or volume given away through free use permits.

NA = not available.

Table 55--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1972-83<sup>1</sup>

(In dollars per thousand board feet)

	PONDEROSA AND					
DOUGLAS-	JEFFKEY	SUGAR	LOUGEPOLE		TRUE	ALL
FIR	PINES	PINE	PINE	CEDARS	FIRS	SPECIE
40.70	65.80	66.60	5.40	50.10	30.20	47.40
84.80	108.60	89.30	12.40	86.40	70.20	83.10
87.00	101.40	104.00	6.50	112.00	41.70	81.80
51.40	71.00	99.00	22.40	79.90	19.70	53.80
76.00	101.80	185.00	6.50	84.00	23.40	80.40
124.30	131.40	168.50	165.20	337.90	50.60	121.10
131.10	164.70	169.20	136.20	516.40	79.80	148.10
186.60	239.00	375.40	25.40	497.10	96.00	206.20
189.50	206.10	671.40	252.80	559.90	133.40	252.20
146.70	196.20	224.10	123.60	108.20	90.30	156.10
55.30	93.80	79.30	33.90	303.00	36.10	66.80
43.20	66.20	55.50	22.60	106.90	43.10	55.30
55.70	58.10	78.20	27.40	62.30	24.90	50.00
44.60	70.90	45.00	17.60	49.40	47.10	54.20
50.00	66.90	72.00	27.80	70.30R	36.30	54.50
75.70	84.60	149.30	37.80	109.60	72.20	85.10
48.30	119.40	70.80	25.40	99.40	43.60	65.70
	FIR  40.70 84.80 87.00 51.40 76.00 124.30 131.10 186.60 189.50 146.70  55.30 43.20 55.70 44.60  50.00	AND JEFFREY PINES  40.70 65.80 84.80 108.60 87.00 101.40 51.40 71.00 76.00 101.80 124.30 131.40 131.10 164.70 186.60 239.00 189.50 206.10 146.70 196.20  55.30 93.80 43.20 66.20 55.70 58.10 44.60 70.90  50.00 66.90	AND JEFFREY FIR  40.70 65.80 66.60 84.80 108.60 89.30 87.00 101.40 104.00 51.40 71.00 99.00 76.00 101.80 185.00 124.30 131.40 168.50 131.10 164.70 169.20 186.60 239.00 375.40 189.50 206.10 671.40 146.70 196.20 224.10  55.30 93.80 79.30 43.20 66.20 55.50 55.70 58.10 78.20 44.60 70.90 45.00	AND DOUGLAS - JEFFREY PINE PINE  40.70 65.80 66.60 5.40 84.80 108.60 89.30 12.40 87.00 101.40 104.00 6.50 51.40 71.00 99.00 22.40 76.00 101.80 185.00 6.50 124.30 131.40 168.50 165.20 131.10 164.70 169.20 136.20 186.60 239.00 375.40 25.40 189.50 206.10 671.40 252.80 146.70 196.20 224.10 123.60  55.30 93.80 79.30 33.90 43.20 66.20 55.50 22.60 55.70 58.10 78.20 27.40 44.60 70.90 45.00 17.60	## AND JEFFREY PINE PINE CEDARS  ## AU-70	DOUGLAS

1983 average

Source--Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

1Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

R = revised.

Table 56--Uncut volume under contract on National Forest lands in California, Montana, Idaho, Oregon, and Washington, 1972-821/

(In million board feet, Scribner log rule)

			IDA	HO2/		
YEAR	CALIFORNIA	MONTANA	NORTHERN	SOUTHERN	OREGON	WASHINGTON
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	5,075.0 NA 5,030.2 5,594.0 3/5,516.3 4/4,882.3 5,126.4 4/5,221.5 4/5,834.9 4/6,225.2 3/7,365.6	1,398.6 1,362.1 1,242.4 1,214.8 1,350.4 4/1,309.9 4/1,331.4 4/1,426.0 1,468.6 4/1,631.8 3/1,800.7	$\frac{3}{1,693.6}$ $\frac{3}{1,333.3}$ $\frac{1,438.3}{1,541.3}$ $\frac{3}{1,650.5}$ $\frac{4}{1,480.1}$ $\frac{4}{1,604.9}$ $\frac{4}{1,625.5}$ $\frac{1,386.6}{4,1,693.6}$ $\frac{4}{1,833.6}$	4/1,132.8 4/1,089.1 1,040.1 1,106.4 578.9 4/993.6 3/1,009.2 4/939.3 819.1 4/780.7	8,006.0 7,549.1 7,004.2 7,752.2 7,755.8 7,351.5 8,538.3 8,610.5 9,939.3 3/12,020.1 3/12,646.6	3,504.3 3,196.3 3,255.1 3,704.8 3,822.3 4,293.5 3,948.3 4,730.6 4,526.7 3/5,377.1 3/5,478.3

Source--Forest Service, U.S. Department of Agriculture, Regions 1, 4, 5, and 6.

1/As of December 31 unless otherwise noted.

2/National Forests in northern Idaho for fiscal years 1972 and 1973 are Clearwater, Coeur D'Alene, Kaniksu, Nezperce, St. Joe. After fiscal year 1974, the National Forests in northern Idaho are Clearwater, Nezperce, and the Panhandle administrative unit which absorbed the Coeur D'Alene and the St. Joe National Forests; in southern Idaho, the National Forests are Boise, Caribou, Challis, Payette, Salmon, and Targhee.

3/As of June 30.

 $\frac{4}{\text{As}}$  of September 30.

NA = not availble.

Table 57--Allowable annual cut and uncut volume under contract on Oregon State lands,  $1972-82\frac{1}{2}$ 

(In million board feet, Scribner log rule)

YEAR	ALLOWABLE CUT	UNCUT VOLUME UNDER CONTRACT	RATIO
 1972	193	308	1.6
1973	193	338	1.8
1974	200	333	1.7
1975	206	391	1.9
1976	203	428	2.1
1977	220	446	2.0
1978	241	443	1.8
1979	223	472	2.2
1980	225	482	2.1
1981	220	507	2.3
1982	220	676	3.1

Source--State of Oregon, Department of Forestry.

1/As of December 31.

Table 58--Allowable annual cut and uncut volume under contract on Washington State lands,  $1972-83\frac{1}{2}$ 

(In million board feet, Scribner log rule)

YEAR	CUT CUT	UNCUT VOLUME UNDER CONTRACT	RATIU
1972	774	1,184	1.5
1973	774	1,152	1.5
1974	774	1,511	2.0
1975	774	1,734	2.2
1976	774	1,977	2.6
1977	774	2,021	2.6
1978	774	1,801	2.3
1979	774	1,880	2.4
1980	805	1,893	2.4
1981	805	1,906	2.4
1982	805	1,651	2.1
1983	805	1,824	2.3

Source--State of Washington, Department of Natural Resources.

1/As of December 31 for 1972; as of June 30 for 1973-83.

Table 59--Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1972-83

	COL	/ILLE <sup>1</sup>	UESCI	HUTES	FKE	TNONT	G IFFORU	PINCHOT	MALI	HEUR	ТиООМ МОООИ 2	BAKER- ALMIE <sup>2</sup>	ноин	ноор
YEAR ANO QUARTER	SALES	VULOME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALÉS	VULUME
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1972	0		0		0		23	84,440	U		U		0	
1973	0		0		2	25,600	12	18,740	0		0		0	
1974	4	30,100	0		4	46,300	33	172,615	1	650	8	26,860	11	63,527
1975	4	13,855	Ü		5	66,920	18	147,050	2	2,135	ರ	56,320	17	66,390
1976	1	2,263	0		i	15,200	7	68,250	0	´	2	8,350	4	10,058
1977	3	13,800	7	63,290	8	69,000	13	192,500	U		10	70,450	15	76,379
1978	4	43,500	Ó		ī	357	15	161,500	0		0		20	83,830
1979	5	42,760	4	2,150	11	79,460	Ú		Ü		19	11,575	34	86,586
1980	2	20,400	3	2,032	6	44,36U	16	113,140	0		18	0,763	44	20,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982 1983	10	38,460	9	9,580	8	13,440	18	30,920	U		12	4,400	31	10,246
lst qtr.	1	400	U		2	8,900	2	10,020	1	545	3	8,470	4	1,230
2d qtr. 3d qtr. 4th qtr.	1	575	1	640	3	10,500	3	1,620	î	130	4	745	4	d72

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1	91	33	- 10	0	τ	a	Į

	001	1000	OKA	IOG AN	OLY	MPIC	ROGUE	RIVER	SIS	KIYUU	SIU	SLAW	UMA	ΓILLA
YEAR AND QUARTER	SALES	VOLUME	SALES	VOLUME	SALES	VOT NUE	SALES	VOL UME	SALES	VOLUME	SALES	VULUME	SALES	VOLUME
	Number	Thousand bd ft												
1972	0		0		8	32,897	0		0		8	26,356	11	198,116
1973	o o		Ü		22	92,199	0		17	94,680	14	72,701	5	22,400
1974	n n		3	19,000	12	78,990	28	98,752	12	52,775	34	174,471	11	74,710
1975	3	39,550	2	21,000	8	53,842	24	143,665	22	59,331	26	201,478	5	28,620
1976	3	19,270	2	9,300	5	45,579	18	46,254	7	22,335	17	118,763	6	23,110
1977	ñ	13,270	1	11,500	2	30,926	25	100,807	14	58,980	17	91,027	7	31,100
1978	Š	34,300	Ô		6	44,615	47	171,251	13	62,300	39	231,303	U	
1979	3	23,500	7	20,105	12	106,105	50	118,818	2	270	16	120,834	4	35,500
1980	i	7,700	2	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	ŝ	35,000	2	13,100	6	58,500	54	168,580	24	78,733	44	201,038	7	36,936
1982	3	1,100	3	15,750	4	1,860	26	85,272	33	45,719	44	94,808	1	150
1983	,	2,100	•	10,700	*	-,		,				•		
lst qtr.	0		0		1	140	2	990	4	25,440	6	904	2	5,400
2d qtr.	0		0		î	330	19	37,665	5	2,900	3	576	2	10,100
3d qtr. 4th qtr.	Ü		J		*	000		,		-,	-			

#### 1983 total

	UMS	QUA	WALLOWA	-WHITMAN	WENA	TCHEE	WILL	AMETTE	WI	NEMA	ALL	FORESTS
EAR ANO OARTER	SALES	VOT OWE	SALES	VOLUME	SALES	VOL UHE	SALES	VOLUME	SALES	VULOME	SALES	VOLUME
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1972	0		0		0		0		U		50	341,809
973	0		8	77,400	0		7	58,510	5	22,460	92	484,690
974	22	124,807	Ö		0		7	61,520	5	35,550	195	1,060,627
975	29	146,068	Ö		2	17,400	10	137,810	9	69,600	194	1,271,634
976	21	55,093	0		0		19	121,100	5	38,040	118	6U3,565
977	29	128,705	0		0		48	174,585	8	35,110	207	1,148,159
978	29	125,330	0		0		33	177,660	13	60,006	225	1,195,958
979	35	169,212	0		5	23,100	53	146, 366	6	59,050	266	1,045,391
980	31	166,650	7	1.799	4	18,000	83	197,229	4	30,400	281	930,670
981	49	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1983 1st gtr.	5	1,730	0		2	10,500	15	10,838	0		50	85,507
2d qtr. 3d qtr. 4th qtr.	2	820	Ö		2	9,450	13	36,063	0		64	112,986

1983 total

Source--Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

 $<sup>1</sup>_{
m July}$  1, 1974, Colville National Forest in Washington became part of the Pacific Northwest Region.

 $<sup>^2</sup>$ July 1, 1974, Snoqualmie National Forest was merged with the Mount Baker National Forest.

Ruderman, Florence K. Production, prices, employment, and trade in Northwest forest industries, second quarter 1983. Resour. Bull. PNW-108. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1983. 66 p.

Provides current information on the lumber and plywood production and prices, employment in the forest industries, international trade in logs, lumber, and plywood, volume and average prices of stumpage sold by public agencies, and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing, (forest products), import/export (forest products), markets (external), economics (forestry business).

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.

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#### **Forest Service**

Pacific Northwest Forest and Range Experiment Station

Resource Bulletin PNW-109 January 1984



Timber Resource Statistics for the Tanana Inventory Unit, Alaska, 1971-75

Willem W. S. van Hees



## **Abstract**

van Hees, Willem W. S. Timber resource statistics for the Tanana inventory unit, 1971-75. Resour. Bull. PNV-109. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1983. 36 p.

Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented for the 1971-75 timber inventory of the Tanana unit, Alaska. This report summarizes statistics previously published for the four inventory blocks of the unit: Fairbanks, Kantishna, Upper Tanana, and Wood-Salcha. Timberland area is estimated at 2.19 million acres (888 164 ha), net growing stock volume at 2.27 billion cubic feet (64.36 million m<sup>3</sup>), and annual net growth and mortality at 61.34 and 6.14 million cubic feet (1.74 and 0.17 million  $m^3$ ), respectively.

Keywords: Forest surveys, timber inventory, statistics (forest), resources (forest), Alaska (Tanana River valley).

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## Summary

This report for the 14-million acre (5 523 114-ha) Tanana forest inventory unit summarizes statistics of its four inventory blocks published from 1975-83. The unit begins near Tanana, Alaska, northwest of Fairbanks, and extends southeast of Delta Junction through the Tanana River Valley to the Canadian border.

This is the first general reinventory of forests in the Tanana unit since the first inventory in 1961-63. Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 1971-75 timber resources inventory of the Tanana unit. Timberland area is estimated at 2.19 million acres (888 164 ha), net growing stock volume at 2.27 billion cubic feet (64.36 million m³), and net annual growth and mortality at 61.34 and 6.14 million cubic feet (1.74 and 0.17 million m³), respectively.

## Preface

Forest Inventory and Analysis (FIA) is a nationwide project of the USDA Forest Service authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Work units of the project, located at Forest Service Experiment Stations, conduct forest resource inventories throughout the 50 States. The Pacific Northwest Forest and Range Experiment Station at Portland, Oregon, is responsible for forest inventories in Alaska, California, Hawaii, Oregon, and Washington.

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Н	ia	hi	lig	ht	S
	19		119		0

		Thousand acres	Thousa hectar	-
Tanana inventory				
unit area:		13,647.9	5 523.	1
With forest		11,324.7	4 582.	9
With nonforest		2,000.4	809.	5
With non-Census water		<u>1</u> /	1	./
With Census water		322.8	130.	6
Forested area:				
Timberland		2,194.7	888.	2
Other forest land		9,130.0	3 694.	8
Timberland composition:				
Sawtimber		516.2	208.	9
Poletimber		862.5	349.	0
Seedlings and saplings,				
and nonstocked		816.0	330.	2
Timberland forest type co	mposition:			
Black spruce		43.3	17.	5
White spruce		752.7	304.	6
Balsam poplar		84.4	34.	2
Paper birch		888.9	359.	7
Quaking aspen		403.6	163.	3
Tamarack		<u>1</u> /	1	/
Nonstocked		21.8	8.	8
	A	11	Sawt	imber
	growin	g stock	growing	stock
	Million	Million	Million	Million
	cubic	cubic	board	cubic
	feet <u>2</u> /	meters <u>2</u> /	feet <u>3</u> /	meters <u>4</u> /
Volumes on timberland:				
Total gross volume	2,375.5	67.3	6,199.5	23.6
Total net volume	2,273.2	64.4	5,951.3	22.6
Annual net growth	61.3	1.7	182.9	0.2
Annual net mortality	6.1	. 2	18.3	<u>5</u> /

<sup>1/</sup>No data were collected.

 $<sup>\</sup>underline{2}$ /Volume of roundwood in live trees 5.0 inches (12.7 cm) in d.b.h. and larger.

 $<sup>\</sup>frac{3}{\text{Net}}$  volume, International 1/4-inch rule, for softwood trees 9.0 inches (22.9 cm) in d.b.h. and larger, and for hardwood trees 11.0 inches (28 cm) in d.b.h. and larger.

 $<sup>\</sup>underline{4}$ /Volume of roundwood for softwood trees 9.0 inches (22.9 cm) in d.b.h. and larger, and for hardwood trees 11.0 inches (28 cm) in d.b.h. and larger.

<sup>5/</sup>Less than 30 000 cubic meters.

# Introduction

This report for the Tanana timber inventory unit summarizes statistics previously published for the four inventory blocks of the unit: Fairbanks (Hegg 1975), Kantishna (Hegg 1975), Upper Tanana (Hegg 1983), and Wood-Salcha (Winterberger 1983). The Tanana unit lies in the Tanana River Valley between 141° and 152° west longitude, and between 62°15' and 65°30' north latitude (fig. 1).

Major physiographic features of the Tanana River Valley include the north drainage of the eastern and central portions of the Alaska Range, the northwestern section of the Wrangell Mountains, the Tanana lowlands, and the south drainage of the Yukon-Tanana upland.

The morphological features of the Tanana Valley are essentially simple. Included are glaciated mountains, glacial moraines and outwash plains, low terraces on the south side of the Valley, and unglaciated hills, mountains, and low terraces on the north side of the Valley. Also, sand dunes occur in several areas of the Valley.

Soils in the Tanana Valley have developed in different types of material in a cold, continental climate. The soils in the Alaska Range, the Wrangell Mountains, and adjoining foothills have developed in glacial deposits. The soils in the Tanana uplands have developed in silty loess over colluvial material of weathered rock. Soils in the Tanana lowland developed in thin, silty loess over glacial outwash of sandy or gravelly material and in deep, silty loess deposits. Soils on flood plains and low terraces developed in stratified silt and sand over gravel. Soils in depressions in the lowlands have developed in organic material of decaying plants. Soils on south-facing and convex slopes are usually better drained than soils on north-facing and concave slopes. Wet soils in such concavities are often caused by permafrost, and bogs and muskegs are also common in depressions.

Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented from the 1971-75 timber resources inventory of the Tanana unit. Timberland area is estimated at 2.19 million acres (888 164 ha), net growing stock volume at 2.27 billion cubic feet (64.36 million m<sup>3</sup>), and net annual growth and mortality at 61.34 and 6.14 million cubic feet (1.74 and 0.17 million m<sup>3</sup>), respectively.

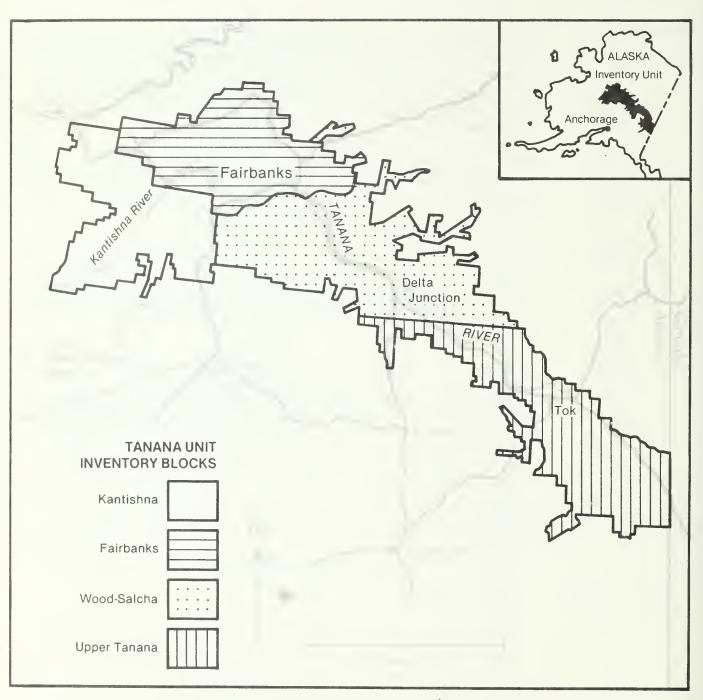


Figure 1.--Tanana inventory unit.

## Inventory Procedures

The estimates of area and timber volumes from the 1971-75 timber reinventory are based on a double sampling (2-phase) technique (Bickford 1952). In the first phase of the sampling study, 46,602 photo points were systematically distributed over 1:15,840 scale aerial photographs, then interpreted. Each photo point was classified by land type. Of the 46,602 photo plots, 798 ground plots were selected. Tree measurements were made on these plots in the second phase of the sampling. Corrected area classifications and measurements of volume on these ground plots served as the basis for the area and volume estimates presented in this report.

Estimates of growth volumes presented are based on increment borings; the estimates of mortality were based on estimations of the number of years since the trees died.

## Ownership Statistics

Statistics on land ownership are not presented in this report because of uncertainties of changes in land status associated with Alaska Native and State of Alaska land selections and wilderness area withdrawals. These changes in land status are the result of Federal legislation: the Alaska Statehood Act of 1958, Public Law 85-508; the Alaska Native Claims Settlement Act of 1971, Public Law 92-203; and the Alaska National Interest Lands Conservation Act, Public Law 96-487. Alaska Native land selections and decisions on wilderness withdrawals seemed nearly settled at the end of 1982, but Alaska State selections will remain uncertain for the next 5-10 years.

Statistics on ownership and reserved land status and a resource analysis will be published when the status of land shifts is more clear. It is already clear, however, that the Alaska Native and State of Alaska land selections are concentrating partly on timberlands, which will leave a reduced proportion of the better timberland in Federal ownership.

# Reliability of Inventory Data

All area and volume statistics reported here are estimates based on sampling and are subject to sampling error. Sampling errors for all estimates presented in the tables are available on request. The reliability of the inventory is expressed in terms of relative sampling error at the 68-percent confidence level:

	Design sampling error	error	Sampling error of the total estimate
		– – Percen	t
Timberland area: Per million acres For the total 2.2 million acres	3.0	4.2	2.8
Other forest land area: Per million acres For the total 9.1 million acres	10.0	2.4	0.8
Net growing stock volume: On timberland, per billion ft <sup>3</sup> For the total 2.3 billion ft <sup>3</sup>	10.0	5.9	3.9
Net growth on growing stock: On timberland, per billion ft <sup>3</sup> For the total 61.3 million ft <sup>3</sup>	10.0	1.4	5.5

For the Tanana inventory unit, we estimate 2,273.2 billion cubic feet of net growing stock volume,  $\pm$  2.8 percent, yielding 68-percent confidence limits of 2,209.5 and 2,336.8 billion cubic feet. That confidence level means that upon repeated sampling, about 68 percent of the confidence intervals constructed for each sample would capture the true value of the parameter being estimated.

We were within the design sampling error for other forest land, net volume, and net growth.

## Terminology 6/

<u>Acceptable trees</u>- Trees meeting the specifications for growing stock but not qualifying as desirable trees.

Allowable cut--The volume of timber that could be cut on timberland during a given period under specified management plans for sustained production, such as those in effect on National Forests.

Area condition class—Area condition class provides a general stratification of timberland by management opportunity class as indicated by the stocking or area controlled by tree and cover class.

Census water--Streams, sloughs, estuaries, and canals more than one-eighth mile (200 m) wide; and lakes, reservoirs, and ponds more than 40 acres (16 ha) in area. (Also see non-census water).

<u>Commercial species</u>—Tree species suitable for industrial products.

<u>Cull logs</u>—Softwood sawtimber logs with two-thirds or more of the board-foot volume in cull material. Hardwood sawtimber logs with half or more of the volume in cull material.

<u>Cull material</u>—Portions of a tree unusable for industrial products because of rot, form, or other defect.

<u>Cull trees</u>—Live trees of sawtimber or poletimber size that are not merchantable for saw logs now nor are they likely to become merchantable because of defect, rot, or species.

 $\underline{\text{D.b.h.}}$ .--Diameter at breast height, a point 4-1/2 feet (1.37 m) above the ground on the uphill side of a tree, where, on a normally formed tree, the diameter is measured.

<u>Desirable trees</u>—Growing stock trees with no serious defects in quality limiting present or prospective use, relatively high vigor, and hosting no pathogens that could result in death or serious deterioration before rotation age. They include the type of trees forest managers aim to grow; that is, the trees left in silvicultural cutting or favored in cultural operations.

<sup>6/</sup>Terminology is from the USDA Forest Service, Forest Service Handbook, Title 4813.1, 1967, and the manual of field instructions for the forest survey of the Tanana River Basin, Alaska, 1975.

Diameter class-A classification of trees based on diameter of the tree outside the bark measured at breast height, 4-1/2 feet (1.37 m) above the ground. D.b.h. is the common abbreviation for "diameter at breast height." Each 2-inch diameter class is assigned to the appropriate even inch at midpoint. For example, the 6-inch class includes trees 5.0 through 6.9 inches d.b.h.

Forest land--Land at least 16.7 percent stocked by live trees of any size, or land formerly having such tree cover, and not currently developed for nonforest use. Includes chaparral areas in the western United States and afforested areas. The minimum area for classification as forest land or subclasses of forest land is 1 acre (0.4 ha). Roadside, streamside, and shelterbelt strips of timber must be at least 120 feet (36 m) wide to be classified as forest land. Unimproved roads and trails, streams, and clearings in forest areas must be less than 120 feet wide to be classified as forest land. (Also see timberland, other forest land, reserved forest land, and nonforest land.)

Forest types——A classification of forest land based on the species forming a plurality of the live tree stocking.

Black spruce--Forests in which a plurality of the stand is black spruce. Black spruce most often occurs in nearly pure stands but can be found mixed with tamarack, white spruce, paper birch, and aspen. Black spruce is fairly characteristic of poorer forest land.

White spruce—Forests in which a plurality of the stand is white spruce. Common associates include paper birch and balsam poplar, and occasionally black spruce or quaking aspen.

Tamarack--Forests in which a plurality of the stand is tamarack. Tamarack rarely occurs as a pure type and is more often found as an associated species in the black spruce type.

Balsam poplar—Forests in which a plurality of the stand is balsam poplar. South of the Alaska Range balsam poplar may be replaced by black cottonwood or hybrids between the two. As the poplar ages it is usually replaced by white spruce; however, it is usually found as a nearly pure type with only an occasional associate of white spruce or paper birch.

Black cottonwood—Forests in which a plurality of the stand is black cottonwood. Black cottonwood is found south of the Alaska Range in pure stands along the major rivers. It hybridizes extensively with balsam poplar where their ranges overlap and in this overlap area types are not distinguished by species but are usually reported as cottonwood/poplar. Black cottonwood stands are replaced by white spruce as they age and the pure stands contain only an occasional white spruce or paper birch.

Paper birch--Forests in which a plurality of the stand is paper birch. Paper birch can occur in pure stands but is more often mixed with white spruce, quaking aspen, or black spruce.

Quaking aspen--Forests in which a plurality of the stand is aspen. Aspen is usually found as a pure type following fire and a willow stage of succession. As the aspen ages it is usually replaced by spruce, except on very dry sites where it may remain as a pure type. Common associates include black spruce and white spruce and occasionally paper birch.

<u>Growing stock trees</u>—Sawtimber trees, poletimber trees, saplings, and seedlings; that is, all live trees except cull trees.

Growing stock volume—The net cubic—foot volume of sound wood in the bole of growing stock trees 5.0 inches (12.5 cm) in d.b.h. and larger, from stump to a minimum 4.0—inch (10-cm) top outside the bark or to the point where the central stem breaks into limbs.

<u>Hardwoods</u>—Dicotyledonous trees, usually broad—leaved and deciduous. Hardwood species in interior Alaska are balsam poplar, black cottonwood, paper birch, and quaking aspen.

<u>Inhibiting vegetation</u>—Cover sufficiently dense to prevent establishment of tree seedlings.

<u>Inoperable forest land</u>—Other forest land with a gross volume of less than 800 cubic feet per acre, or forest land on rough, rocky, steep, or otherwise broken terrain.

<u>International 1/4-inch rule</u>—A rule used to determine the tree volume in board feet (Bruce and Schumacher 1950).

Land area—Area reported as land by the Bureau of the Census. Total land area includes dry land and land temporarily or partially covered by water such as marshes, swamps, and river flood plains (omitting tidal flats below mean high tide); streams, sloughs, estuaries, and canals less than 120 feet (36 m) wide; and lakes, reservoirs, and ponds less than 1 acre (0.4 ha) in area. (Also see non-Census water).

<u>Land class</u>—A classification of land by major use, such as timberland, other forest, and nonforest. The minimum size area for classification is 1 acre (0.4 ha).

<u>Log grades</u>——A classification of logs based on external characteristics as indicators of quality or value.

Marginal timberland- Other forest land with a gross volume over 800 cubic feet per acre.

Mean annual increment (MAI)—A measure of the volume of wood, in cubic feet, produced on 1 acre during 1 year. Forest Inventory and Analysis (FIA) minimum standard for timberland is the ability to produce 20 cubic feet per acre per year.

Merchantable tree—A merchantable tree must be producing or be capable of producing at least one merchantable saw log which is at least 50-percent sound for hardwoods or 33-percent sound for softwoods, board foot measure. All poletimber that is less than 50-percent sound, cubic-foot measure, and all saplings with any sign of rot are not considered merchantable trees, but rotten culls. All trees that are of such poor form that they will never produce a merchantable saw log are not classed as merchantable trees, but as sound culls or rough trees.

Mortality--Number of or the sound wood volume from live trees dying from natural causes during a specified period (5 years).

Net annual growth of growing stock—The annual change in volume of sound wood in live sawtimber and poletimber trees.

Net annual growth of sawtimber—The annual change in net board-foot volume of live sawtimber trees.

<u>Net volume</u>- The gross volume of a tree less deductions for rot, sweep, or other defect affecting product use.

Non-Census water--Streams, sloughs, estuaries, and canals between 120 feet (36 m) and one-eighth mile (200 m) wide; and lakes, reservoirs, and ponds between 1 and 40 acres (0.4 and 16 ha) in area. (Also see Census water).

Noncommercial species—Tree species of typically small size, poor form, or inferior quality that normally is not suitable for industrial products.

Nonforest land- Land that does not qualify as forest land. Includes land that has never supported forests and lands formerly forested where forest use is precluded by development for nonforest uses, such as crops, improved pasture, residential areas, and city parks. Also includes improved roads and certain areas of water classified by the Bureau of Census as land. Unimproved roads, streams, canals, and nonforest strips in forest areas must be more than 120 feet (36 m) wide, and clearings in forest areas must be more than 1 acre (0.4 ha) in size to qualify as nonforest land.

Nonstockable land- Areas of forest land not capable of supporting forest growth because of rock, water, etc.

<u>Nonstocked areas</u>—Timberland less than 16.7 percent stocked with growing stock trees.

Other forest land--(1) Unproductive forest land incapable of yielding crops of industrial wood because of adverse site conditions (producing less than 20 cubic feet per acre per year). This includes sterile or poorly drained forest land, subalpine forests, and steep rocky areas where topograhic conditions are likely to prevent management for timber production indefinitely. In coastal Alaska, this includes forest lands that are not capable of producing 8,000 board feet per acre (net International 1/4-inch rule).

Overstocked areas--Areas where growth of trees is greatly reduced by excessive numbers of trees.

<u>Poletimber stands</u>—Stands at least 16.7 percent stocked with growing stock trees, with half or more of this stocking in poletimber and sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

Poletimber trees—Growing stock trees 5.0 to 8.9 inches (12.5 to 22.6 cm) in d.b.h. for softwoods and 5.0 to 10.9 inches (12.5 to 27.5 cm) in d.b.h. for hardwoods.

Reserved forest land--Productive forest land withdrawn from commercial timber use through statute or administrative regulation.

Rotten cull trees—Live trees 5.0 inches (12.5 cm) in d.b.h. and larger that do not contain a saw log now and are not likely to, primarily because of rot.

Rough trees - Live trees 5.0 inches (12.5 cm) in d.b.h. and larger that do not contain a saw log now and are not likely to, primarily because of roughness, poor form, or because they are a noncommercial species.

Salvable dead trees—Standing dead trees that are considered currently or potentially merchantable by regional standards. A poletimber tree must be more than one-half sound; a sawtimber tree more than one-third sound (board measure).

Sapling trees—Trees 1.0 to 4.9 inches (2.5 to 12.5 cm) in d.b.h.

Saw log- A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet (2.5 m) long, sound and straight, and with a minimum small-end diameter of 6 inches (15 cm) inside the bark for softwoods and 8 inches (20 cm) for hardwoods.

Saw-log portion--The bole of sawtimber trees between the stump and the saw log top.

Saw-log top- The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum top diameter is 7.0 inches (18 cm) outside the bark for softwoods and 9.0 inches (23 cm) outside the bark for hardwoods.

<u>Sawtimber stands</u>—Stands at least 16.7 percent stocked with growing stock trees, with half or more of this stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to that of poletimber.

Sawtimber trees- Growing stock trees at least 9.0 inches in d.b.h. for softwoods and 11.0 inches in d.b.h. for hardwoods.

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

Seedling- An established tree less than 1.0 inch (2.5 cm) in d.b.h.

Seedling and sapling stands—Stands at least 16.7 percent stocked with growing stock trees and with seedlings and/or saplings comprising more than half this stocking.

<u>Site class</u>--A classification of forest land based on its capacity to grow crops of industrial wood.

<u>Softwoods</u>—Coniferous trees, usually evergreen with needles or scalelike leaves. Species in interior Alaska are white spruce, black spruce, and tamarack.

Stand age class--A classification of forest land based on the predominant age of trees in a given stand.

Stand size class—A classification of forest land based on the predominant size of growing stock present: sawtimber, poletimber, or seedlings and saplings.

Stocking—The degree of occupancy of land by trees, measured by basal area and/or the number of trees in a stand by size or age and spacing, compared with the basal area or number of trees required to fully utilize the growth potential of the land; that is, the stocking standard.

<u>Timberland</u>—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization. Areas qualifying as timberland could produce more than 20 cubic feet per acre (1.4 m<sup>3</sup>/ha) per year of industrial wood under management.

<u>Tree size class</u>—A classification of growing stock trees based on the diameter of the tree at breast height.

<u>Upper-stem portion-</u> That part of the main stem or fork of sawtimber trees above the saw-log top to a minimum top diameter of 4.0 inches outside the bark or to the point where the main stem or fork breaks into limbs.

## Names of Trees 1/

Common	name

Scientific name

#### Softwoods:

Black spruce White spruce Tamarack Picea mariana (Mill.) B.S.P. Picea glauca (Moench) Voss Larix laricina (Du Roi) K. Koch

### Hardwoods:

Balsam poplar Quaking aspen Paper birch Populus balsamifera L. Populus tremuloides Michx. Betula papyrifera Marsh.

7/Scientific names are according to Viereck and Little (1972).

## **Tables**

Estimates in this report are developed from statistically based samples and therefore are subject to sampling error. Sampling errors for estimates of various sizes are presented in the section "Reliability of Inventory Data."

TABLE 1--AREA BY LAND CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

LAND CLASS	THOUSAND ACRES
FOREST LAND:	
TIMBERLAND	2,194.7
MARGINAL TIMBERLAND	283.9
INOPERABLE FOREST LAND	8,846.1
TOTAL	11,324.7
NONFOREST LAND 2/	2,000.4
ALL LANDS	13,325.1
CENSUS WATER	322.8
ALL LANDS	13,647.9

Estimates are subject to sampling error.

1/Totals may be off because of rounding.

 $\underline{2}$ /Includes swampland, industrial and urban areas, other nonforest land, and 172,500 acres classified as water by Forest Inventory and Analysis standards but defined by the Bureau of the Census as land.

TABLE 2--AREA OF TIMBERLAND AND MARGINAL TIMBERLAND BY STAND SIZE CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/

STAND SIZE CLASS	TIMBERLAND	MARGINAL TIMBERLAND	TOTAL	
		THOUSAND ACRES		
SAWTIMBER	516.2	69.7	585.9	
POLETIMBER	862.5	209.5	1,072.1	
SEEDLING AND SAPLING	794.1	4.7	798.8	
NONSTOCKED	21.9		21.9	
ALL CLASSES	2,194.7	283.9	2,478.6	

-- = no data were collected.

1/Totals may be off because of rounding.

TABLE 3--AREA OF TIMBERLAND AND MARGINAL TIMBERLAND BY STAND VOLUME CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/

STAND VOLUME CLASS	TIMBERLAND	MARGINAL TIMBERLAND	TOTAL
BOARD FEET PER ACRE		THOUSAND ACRES	
0-1,499	1,265.8	127.8	1,393.6
1,500-2,999	265.5	60.7	326.2
3,000-4,999	202.6	48.9	251.5
5,000-6,999	121.6	25.6	147.2
7,000 AND OVER	339.2	20.9	360.1
ALL CLASSES	2,194.7	283.9	2,478.6

Estimates are subject to sampling error.

TABLE 4--AREA OF TIMBERLAND AND MARGINAL TIMBERLAND BY STAND VOLUME AND STAND SIZE CLASSES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/

		STA			
STAND VOLUME CLASS	NONSTOCKED AREAS	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	TOTAL
CUBIC FEET PER ACRE		THOUSAND	ACRES		
0-299	21.9	511.3	23.8		557.
300-799		245.3	289.2	28.5	563.
800-1,499		37.1	494.2	156.2	687.
1,500-2,199		5.0	208.2	170.6	383.
2,200 AND OVER			56.7	230.6	287.
ALL CLASSES	21.9	798.7	1,072.1	585.9	2,478.

 $\underline{1}$ /Totals may be off because of rounding.

<sup>--- =</sup> no data were collected.

TABLE 5--AREA OF TIMBERLAND BY AREA CONDITION CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

COD	E AREA CONDITION CLASS	THOUSAND
10	Areas 100 percent or more stocked with desirable trees and not overstocked.	30.8
20	Areas 100 percent or more stocked with desirable trees and overstocked.	142.6
30	Areas 60 to 100 percent stocked with desirable trees and with less than 50 percent of the area controlled by acceptable growing stock trees, cull trees, inhibiting vegetation, slash, or nonstockable conditions.	75.9
40	Areas 60 to 100 percent stocked with desirable trees and with 30 percent or more of the area controlled by other trees (or overstocked areas) or conditions that ordinarily prevent occupancy by desirable trees.	363.5
50	Areas less than 60 percent stocked with desirable trees but with 100-percent or more stocking with growing stock trees.	650.0
60	Areas less than 60 percent stocked with desirable trees but with 60- to 100-percent stocking with growing stock trees.	723.2
70	Areas less than 60 percent stocked with desirable trees and with less than 60-percent stocking with growing stock trees.	208.7
	ALL CLASSES	2,194.7

TABLE 6--AREA OF TIMBERLAND BY SITE CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/

SITE CLASS 2/	THOUSAND ACRES
CUBIC FEET	
85 AND MORE 50-85 LESS THAN 50	5.0 2,189.7
ALL CLASSES	2,194.7

-- = no data were collected.

 $\underline{1}$ /Totals may be off because of rounding.

 $\underline{2}$ /Potential yield per acre, mean annual increment.

TABLE 7--AREA OF TIMBERLAND, MARGINAL TIMBERLAND, AND INOPERABLE FOREST LAND BY FOREST TYPE, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

FOREST TYPE	TIMBERLAND	MARGINAL TIMBERLAND	INOPERABLE FOREST LAND	TOTAL
		THOUSAND	ACRES	
BALSAM POPLAR	84.4		69.3	153.7
BLACK SPRUCE	43.3	61.0	6,612.4	6,716.7
WHITE SPRUCE	752.7	160.1	919.5	1,832.3
PAPER BIRCH	888.9	47.0	793.3	1,729.2
QUAKING ASPEN	403.6	15.8	435.9	855.3
TAMARACK			15.6	15.6
NONSTOCKED	21.8			21.8
ALL TYPES	2,194.7	283.9	8,846.0	11,324.6

Estimates are subject to sampling error.

<sup>--</sup> = no data were collected.

TABLE 8--AREA OF TIMBERLAND BY STAND AGE AND STAND SIZE CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}/$ 

	NONSTOCKED	ST	STAND SIZE CLASS			
STAND AGE	AREAS	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	TOTAL	
YEARS		TH	OUSAND ACRES			
1-10	2.4	48.0		do do	50.	
10-20	4.7	93.3		3.0	101.	
20-30		189.3	7.6	6.4	203.	
30-40	14.8	260.6	67.0		342.	
40-50		87.7	156.7		244.	
50-60		45.9	108.3	2.7	156.	
60-70		10.4	98.0	10.4	118.	
70-80		15.0	113.8	41.2	170.	
80-90		4.6	27.3	30.8	62.	
90-100		3.2	102.6	79.4	185.	
100-120		7.9	83.9	96.0	187.	
120-140		5.6	47.5	102.9	156.	
140-160			21.4	35.7	57.	
160-180		der der	3.0	23.8	26.	
180-200				12.2	12.	
200-300			5.4	41.8	47.	
300 AND OVER		-		6.1	6.	
MIXED AGES		22.6	20.0	23.8	66.	
ALL AGES	21.9	794.1	862.5	516.2	2,194.	

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ /Totals may be off because of rounding.

TABLE 9--AREA OF MARGINAL TIMBERLAND BY STAND AGE AND STAND SIZE CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/

STAND N	ONSTOCKED	STA	STAND SIZE CLASS			
AGE	AREAS	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	TOTAL	
YEARS		THOUSA	ND ACRES			
1-10						
10-20						
20-30						
30-40						
40-50						
50-60			3.3		3.3	
60-70			9.4		9.4	
70-80			17.6		17.6	
80-90			11.9		11.9	
90-100			12.9	2.8	15.7	
100-120		4.7	71.6	17.9	94.2	
120-140			23.1	12.4	35.5	
140-160			13.0	9.6	22.6	
160-180			3.2	6.5	9.7	
180-200			12.3	5.0	17.3	
200-300			11.4	12.3	23.7	
300 AND OVER						
MIXED AGES			19.7	3.2	22.9	
ALL AGE	S	4.7	209.4	69.7	283.8	

<sup>-- =</sup> no data were collected.

<sup>1/</sup>Totals may be off because of rounding.

TABLE 10--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}/$ 

DIAMETER CLASS	BALSAM POPLAR	BLACK SPRUCE	PAPER BIRCH	QUAKING ASPEN	WHITE SPRUCE	ALL SPECIES
						-
INCHES AT			THOUSAN	D TREES		
BREAST HEIGH	ľT					
1.0-2.9	32,259.8		393,016.4	151,304.9	189,545.6	766,126.
3.0-4.9	15,233.3		177,208.0	101,367.1	79,090.1	372,898.
5.0-6.9	11,485.2	10,167.9	71,972.4	45,687.9	46,892.4	186,205.
7.0-8.9	4,164.9	3,219.4	34,158.0	15,811.3	33,870.5	91,224.
9.0-10.9	2,405.1	385.0	14,284.3	4,022.5	24,478.4	45,575.
11.0-12.9	1,342.2	135.2	3,411.1	775.9	13,960.2	19,624.
13.0-14.9	469.4	10.1	659.2	166.8	7,316.0	8,621.
15.0-16.9	142.3		105.7	96.0	3,131.0	3,475.
17.0-18.9	11.6		14.6	38.4	1,205.2	1,269.
19.0-20.9	15.9				443.6	459.
21.0-28.9					188.0	188.
29 AND OVER					2.5	2.
ALL CLASSES	67 520 7	13,917.6	694,829.7	319,270.8	400,123.5	1,495,671.

-- = no data were collected.

 $\underline{1}$ /Totals may be off because of rounding.

TABLE 11--NUMBER OF GROWING STOCK TREES 5.0-INCH D.B.H. AND LARGER ON MARGINAL TIMBERLAND BY 5-FOOT HEIGHT CLASS AND SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/2

HEIGHT CLASS	BALSAM POPLAR	BLACK SPRUCE	PAPER BIRCH	QUAKING ASPEN	WHITE SPRUCE	ALL SPECIES
			THOUSANI	TREES		
0-30	1,548.7	2,092.6	3,509.1	1,978.8	9,520.1	18,649.3
31-35	1,705.7	4,837.0	6,360.0	3,293.9	12,650.4	28,847.0
36-40	2,373.0	7,114.0	15,310.7	7,892.4	21,094.1	53,784.2
41-45	2,392.7	6,769.0	21,280.7	10,691.1	22,660.9	63,794.4
46-50	5,090.6	4,778.6	33,484.3	18,969.6	25,796.3	88,119.4
51-55	3,367.1	2,498.8	26,059.9	10,659.8	20,725.3	63,310.9
56-60	1,960.0	1,056.0	18,462.1	9,004.1	16,376.4	46,858.6
61-65	992.6	415.2	9,782.1	4,484.9	13,314.3	28,989.1
66-70	556.2	140.4	3,485.0	2,395.3	10,577.9	17,154.8
71-75	189.6		1,043.7	681.3	7,079.5	8,994.1
76-80	206.4	16.1	278.1	257.4	4,446.1	5,204.1
81-85	151.5			32.7	3,338.6	3,522.8
86-90	28.0		19.7	126.7	1,622.2	1,796.6
91-95	42.7				836.2	878.9
96-100					442.6	442.6
100 AND OVER					157.8	157.8
ALL CLASSES	20,604.8	29,717.7	139,075.4	70,468.0	170,638.7	430,504.6

<sup>-- =</sup> no data were collected.

 $<sup>\</sup>underline{1}$ /Totals may be off because of rounding.

TABLE 12- NET VOLUME OF GROWING STOCK ON TIMBERLAND, IN CUBIC FEET AND VOLUME PER ACRE, 8Y FOREST TYPE AND STANO SIZE CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/

FOREST TYPE			SEEDLINGS	NONSTOCKEO		
AND UNIT	SAWTIM8ER	POLET1M8ER	ANO SAPLINGS	AREAS	TOTAL	
BALSAM POPLAR:						
FT <sup>3</sup>	15,254,227	41,405,937	14,420,922		71,081,086	
ACRES	8,998	34,233	41,186		84,416	
FT <sup>3</sup> /ACRE	1,695	1,210	350		842	
BLACK SPRUCE:						
FT <sup>3</sup>	2,743,930	33,579,614	365,621		36,689,169	
ACRES	3,042	37,623	2,666		43,331	
FT <sup>3</sup> /ACRE	902	826	137		84	
WHITE SPRUCE:						
FT <sup>3</sup>	883,602,644	281,845,003	49,519,566		1,214,967,213	
ACRES	407,169	219,002	126,449		752,620	
FT <sup>3</sup> /ACRE	2,170	1,287	392		1,614	
PAPER 8IRCH:						
FT <sup>3</sup>	134,711,368	457,490,847	79,264,210		671,466,42	
ACRES	85,253	407,017	396,662		888,93	
FT <sup>3</sup> /ACRE	1,580	1,124	200		75	
QUAKING ASPEN:						
FT <sup>3</sup>	14,547,633	199,619,504	64,494,216		278,661,353	
ACRES	11,747	164,613	227,148	444 444	403,50	
FT <sup>3</sup> /ACRE	1,238	1,213	284		693	
TAMARACK:						
FT <sup>3</sup>						
ACRES						
FT <sup>3</sup> /ACRE		New Sen	Name of the			
NONSTOCKED:						
FT <sup>3</sup>				184,603	184,60	
ACRES				21,872	21,87	
FT <sup>3</sup> /ACRE				8		
ALL TYPES:						
rt3	1,050,859,802	1,013,940,906	208,064,535	184,603	2,273,049,846	
ACRES	516,209	862,488	794,111	21,872	2,2/3,049,840	
ACRES FT <sup>3</sup> /ACRE	2,035	1,176	262	21,872		
FI-/ACRE	2,035	1,1/0	202	8	1,036	

 $\underline{1}$ /Totals may be off because of rounding.

<sup>--</sup> = no data were collected.

TABLE 13--NET VOLUME OF TIMBER ON TIMBERLAND AND MARGINAL TIMBERLAND BY CLASS OF TIMBER AND BY SOFTWOODS AND HARDWOODS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}/$ 

CLASS OF TIMBER		TIMBERLAND		MARGINAL TIMBERLAND		
	SOFTWOODS	HARDWOODS	TOTAL	SOFTWOODS	HARDWOODS	TOTAL
			MILLION	CUBIC FEET		
SAWTIMBER TREES: SAW-LOG PORTION UPPER-STEM PORTIO	911.5 N 72.8	86.0 25.1	997.5 97.9	112.3 12.0	3.0	115.3 13.0
TOTAL	984.3	111.1	1,095.4	124.3	4.0	128.3
POLETIMBER TREES	368.7	809.1	1,177.8	150.2	62.6	212.8
ALL GROWING STOCK TREES	1,353.0	920.2	2,273.2	274.5	66.6	341.1
ROUGH TREES	4.4	2.9	7.3	2.4		2.4
ROTTEN TREES	2.9	22.1	25.0	.8	2.2	3.0
SALVABLE TREES	29.3	4.5	33.8	4.8	.1	4.9
ALL CLASSES	1,389.6	949.7	2,339.3	282.5	68.9	351.4

 $\underline{1}$ /Totals may be off because of rounding.

<sup>-- =</sup> no data were collected.

TABLE 14--NET VOLUME OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/

		SOFTWOODS		HARDWOODS				
DIAMETER CLASS	8LACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER 8IRCH	QUAKING ASPEN	TOTAL	ALL SPECIES
INCHES AT BREAST HEIGHT				HILLION C	UBIC FEET			
5.0-6.9	22.0	116.1	138.1	20.2	170.7	120.7	311.6	448.9
7.0-8.9	17.6	213.1	230.7	19.4	193.9	91.8	305.1	535.8
9.0-10.9	4.0	291.7	296.7	18.2	135.1	39.0	192.3	488.0
11.0-12.9	2.0	261.6	263.6	18.4	44.7	12.3	75.4	339.0
13.0-14.9	. 2	201.8	202.0	8.7	12.2	3.5	24.4	226.4
15.0-16.9		118.4	118.4	3.6	2.2	2.5	8.3	126.7
17.0-18.9		60.0	60.0	. 3	. 3	1.6	2.2	62.2
19.0-20.9		28.5	28.5	. 9			. 9	29.4
21.0-28.9		15.6	15.6					15.6
29.0 AND OVER	other age	0.4	0.4					. 4
ALL CLASSES	45.8	1,307.2	1,353.0	89.7	559.1	271.4	920.2	2,273.2

-- = no data were collected.

1/Totals may be off because of rounding.

Table 15--Net volume of growing stock on timberland and marginal timberland by diameter class and species, tanana inventory unit, interior alaska, 1971-75  $\underline{1}$ /

		SOFTWOODS		HARDWOODS				
DIAMETER CLASS	BLACK SPRUCE	WHITE SPRUCE	TOTAL	8ALSAM POPLAR	PAPER 8IRCH	QUAKING ASPEN	TOTAL	ALL SPECIES
INCHES AT BREAST HEIGHT				MILLION (	CUBIC FEET			
5.0-6.9	47.9	158.1	206.0	20.2	188.5	127.0	335.7	541.
7.0-8.9	37.8	275.2	313.0	20.3	214.3	97.4	332.0	645.
9.0-10.9	8.6	349.8	358.4	18.7	143.3	41.9	203.9	562.
11.0-12.9	2.7	297.2	299.9	18.5	47.1	13.1	78.7	378.
13.0-14.9	. 9	219.0	219.0	8.6	12.5	3.6	24.7	244.
15.0-16.9	. 2	122.7	122.9	3.6	2.3	2.6	8.5	131.
17.0-18.9		61.7	61.7	. 4	0.3	1.6	2.3	64.
19.0-20.9		29.6	29.6	. 9			. 9	30.
21.0-28.9		15.6	15.6	.1			. 1	15.
29.0 AND OVER		. 4	. 4					
ALL CLASSES	98.1	1,529.2	1,627.3	91.3	608.3	287.2	986.8	2,614.

Estimates are subject to sampling error.

-- = no data were collected.

TABLE 16.—NET VOLUME OF SAWTIMBER ON TIMBERLAND BY DIAMETER AND CLASS SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971–75  $\underline{1}$ /

		SOFTWOODS	SOFTWOODS			HARDWOODS			
DIAMETER CLASS	BLACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER B1RCH	QUAKING ASPEN	TOTAL	ALL SPECIES	
INCHES AT BREAST HEIGHT		MI	LLION BOARD	FEET, INTER	NATIONAL 1/	4-INCH RULE			
9.0~10.9	23.0	1,547.7	1,570.7					1,570.7	
11.0-12.9	11.2	1,445.6	1,456.8	60.0	188.9	51.5	300.4	1,757.2	
13.0-14.9	1.3	1,153.3	1,154.6	35.5	55.3	15.9	106.7	1,261.3	
15.0-16.9		687.7	687.7	17.3	11.8	11.5	40.6	728.3	
17.0-1B.9		352.3	352.3	1.6	1.5	7.B	10.9	363.2	
19.0-20.9		170.1	170.1	4.7			4.7	174.8	
21.0-28.9		93.4	93.4					93.4	
29.0 AND OVER	***	2.4	2.4					2.4	
ALL CLASSES	35.5	5,452.5	5,488.0	119.1	257.5	86.7	463.3	5,951.3	

-- = no data were collected.

 $\underline{1}$ /Totals may be off because of rounding.

TABLE 17--NET VOLUME OF SAWTIMBER ON TIMBERLAND AND MARGINAL TIMBERLAND BY DIAMETER CLASS AND SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}/$ 

	SOFTWOODS			HARDWOODS				ALL
DIAMETER CLASS	BLACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER BIRCH	QUAKING ASPEN	TOTAL	SPEC1ES
INCHES AT BREAST HEIGHT		MII	LION BOARD F	EET, INTERN	ATIONAL 1/4	-INCH RULE		
9.0-10.9	47.1	1,879.9	1,927.0					1,927.0
11.0-12.9	15.0	1,645.7	1,660.7	60.0	199.2	55.0	314.3	1,974.
13.0-14.9	5.3	1,24B.4	1,253.7	35.5	56.9	16.0	108.4	1,362.
15.0-16.9	. 7	711.2	711.9	17.4	11.8	11.9	41.1	753.0
17.0-18.9		361.7	361.7	3.7	1.5	7.8	13.0	374.
19.0-20.9		176.5	176.5	2.6			2.6	179.
21.0-28.9		93.4	93.4	1.0			1.0	94.
29.0 AND OVER		2.4	2.4					2.
ALL CLASSES	68.1	6,119.2	6,187.3	120.2	269.4	90.7	480.3	6,667.

Estimates are subject to sampling error.

-- = no data were collected.

 $\underline{1}$ /Totals may be off because of rounding.

TABLE 18--GROSS VOLUME OF SAWTIMBER ON TIMBERLAND 8Y DIAMETER CLASS AND SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

		SOFTWOODS			HARDWOODS			
DIAMETER CLASS	BLACK SPRUCE	WHITE SPRUCE	TOTAL	8ALSAM POPLAR	PAPER BIRCH	QUAKING ASPEN	TOTAL	ALL SPECIES
INCHES AT BREAST HEIGHT		мі	LLION BOARD	FEET, INTERI	NATIONAL 1/	'4-INCH RULE		
9.0-10.9	23.8	1,570.0	1,593.8	WF 100				1,593.4
11.0~12.9	12.0	1,476.7	1,488.7	65.6	247.5	56.6	369.7	1,858.4
13.0-14.9	1.3	1,180.6	1,181.9	41.1	74.0	18.8	133.9	1,315.8
15.0-16.9		712.1	712.1	19.5	17.1	14.4	51.0	763.1
17.0-18.9		373.7	373.7	2.0	2.7	9.0	13.7	387.4
19.0-20.9		178.4	178.4	4.7			4.7	183.1
21.0-28.9	were non	95.5	95.5					95.5
29.0 AND OVER		2.4	2.4					2.4
ALL CLASSES	37.1	5,589.4	5,626.5	132.9	341.3	98.8	573.0	6,199.5

-- = no data were collected.

1/Totals may be off because of rounding.

TABLE 19--GROSS VOLUME OF SAWTIMBER ON TIMBERLAND AND MARGINAL TIMBERLAND BY DIAMETER CLASS AND SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\frac{1}{2}$ /

		SOFTWOODS			HARDWOODS			
DIAMETER CLASS	8LACK SPRUCE	WHITE SPRUCE	TOTAL	BALSAM POPLAR	PAPER BIRCH	QUAKING ASPEN	TOTAL	ALL SPECIES
INCHES AT BREAST HEIGHT		MIL	LLION BOARD F	EET, INTERN	ATIONAL 1/4	-INCH RULE		
9.0-10.9	49.6	1,908.5	1,958.1					1,958.1
11.0-12.9	15.8	1,684.9	1,700.7	65.8	259.3	60.6	385.7	2,086.4
13.0-14.9	5.3	1,281.0	1,286.3	41.1	76.0	18.8	135.9	1,422.2
15.0-16.9	1.2	737.2	738.4	19.6	17.1	15.5	52.2	790.6
17.0-18.9		384.2	384.2	2.0	2.7	9.0	13.7	397.9
19.0-20.9		184.6	184.6	4.7			4.7	189.3
21.0-28.9		95.5	95.5	1.0			1.0	96.5
29.0 AND OVER		2.4	2.4					2.4
ALL CLASSES	71.9	6,278.3	6,350.2	134.2	355.1	104.0	593.2	6,943.4

Estimates are subject to sampling error.

-- = no data were collected.

 $\underline{\underline{1}}$ /Totals may be off because of rounding.

TABLE 20--NET VOLUME OF GROWING STOCK ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

FOREST	NONSTOCKED	STAI			
TYPE	AREAS	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	TOTAL
		MILLION	CUBIC FEET		-
BALSAM POPLAR	4 W	14.4	41.5	15.3	71.2
BLACK SPRUCE		0.4	26.9	2.7	30.0
PAPER BIRCH		79.3	457.5	134.7	671.5
QUAKING ASPEN		64.4	199.6	14.6	278.6
WHITE SPRUCE	0.2	49.5	288.5	883.6	1,221.8
ALL TYPES	0.2	208.1	1,013.9	1,050.9	2,273.1

-- = no data were collected.

1/Totals may be off because of rounding.

TABLE 21--NET VOLUME OF GROWING STOCK ON MARGINAL TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

FOREST TYPE	NONSTOCKED AREAS	ST			
		SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	TOTAL
		MILLION CUB.	IC FEET		
BALSAM POPLAR					
BLACK SPRUCE			62.4		62.4
PAPER BIRCH	West soles		39.1		39.1
QUAKING ASPEN	gar.		18.8		18.8
WHITE SPRUCE	-	3.4	113.1	102.2	218.7
ALL TYPES		3.4	233.4	102.2	339.0

Estimates are subject to sampling error.

-- = no data were collected.

TABLE 22--NET VOLUME OF SAWTIMBER ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

FOREST	NONSTOCKED	STAI	ND SIZE CLASS		
TYPE	AREAS	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	TOTAL
			ON BOARD FEET ONAL 1/4-INCH		
BALSAM POPLAR		11.0	86.9	62.8	160.7
BLACK SPRUCE			47.6	9.5	57.1
PAPER BIRCH		121.2	537.8	459.5	1,118.6
QUAKING ASPEN		30.7	99.8	46.8	177.3
WHITE SPRUCE	WW 755	136.3	632.4	3,668.9	4,437.6
ALL TYPE	S	299.2	1,404.5	4,247.6	5,951.3

-- = no data were collected.

1/Totals may be off because of rounding.

TABLE 23--NET VOLUME OF SAWTIMBER ON MARGINAL TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

FOREST	NONSTOCKED	STA			
TYPE	AREAS	SEEDLING AND SAPLING	POLETIMBER	SAWTIMBER	TOTAL
		MILLION BOAR INTERNATIONAL 1/			
BALSAM POPLAR					
BLACK SPRUCE			49.6		49.6
PAPER BIRCH			34.0		34.0
QUAKING ASPEN			9.2		9.2
WHITE SPRUCE		12.6	203.4	407.4	623.4
ALL TYPES		12.6	296.2	407.4	716.2

Estimates are subject to sampling error.

-- = no data were collected.

TABLE 24--NET VOLUME OF SAWTIMBER ON TIMBERLAND BY SPECIES AND LOG GRADE, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/

		L	OG GRADE 2/		
SPECIES	1	2	3	4 <u>3</u> /	TOTAL
			ON BOARD FE		
SOFTWOODS:					
BLACK SPRUCE WHITE SPRUCE	5.7	118.8	29.4 4,540.7	6.1 787.4	35.5 5,452.6
TOTAL	5.7	118.8	4,570.1	793.5	5,488.1
HARDWOODS:					
BALSAM POPLAR	. 7	21.6	84.8	11.9	119.0
PAPER BIRCH		21.9	172.5	63.0	257.4
QUAKING ASPEN	1.6	11.3	65.8	7.9	86.6
TOTAL	2.3	54.8	323.1	82.8	463.0
ALL SPECIES	8.0	173.6	4,893.2	876.3	5,951.1

1/Totals may be off because of rounding.

 $\underline{2}$ /Forest Products Laboratory. Hardwood log grades for standard lumber. USDA For. Prod. Lab. Rep. R1737; 1959. 61 p.

Northern Hemlock and Hardwood Manufacturers Association. Official grading rules for northern hardwood and softwood logs and tie cuts. Green Bay, WI.; 1959. 12 p.

3/Logs for local use.

<sup>-- =</sup> no data were collected.

TABLE 25--NET VOLUME OF SAWTIMBER ON MARGINAL TIMBERLAND BY SPECIES AND LOG GRADE, TANANA INVENTORY UNIT, INTERIOR ALASKA,  $1971-75\ 1/$ 

			LOG GRADE 2	/					
SPECIES	1	2	3	4 3/	TOTAL				
		MILLION BOARD FEET, INTERNATIONAL 1/4-INCH RULE							
SOFTWOODS: BLACK SPRUCE			19.8	12.1	31.9				
WHITE SPRUCE		4.0		166.6					
TOTAL		4.0	515.5	178.7	698.2				
HARDWOODS:									
BALSAM POPLAR			1.2		1.2				
PAPER BIRCH QUAKING ASPEN	0.7	. 7	9.0 1.3	1.4 2.6	11.8				
TOTAL	. 7	.7	11.5	4.0	16.9				
ALL SPECIES	. 7	4.7	527.0	182.7	715.1				

-- = no data were collected.

1/Totals may be off because of rounding.

 $\underline{2}$ /Forest Products Laboratory. Hardwood log grades for standard 1umber. USDA For. Prod. Lab. Rep. R1737; 1959. 61 p.

Northern Hemlock and Hardwood Manufacturers Association. Official grading rules for northern hardwood and softwood logs and tie cuts. Green Bay, WI.; 1959. 12 p.

3/Logs for local use.

TABLE 26--NET ANNUAL GROWTH OF GROWING STOCK ON TIMBERLAND AND MARGINAL TIMBERLAND BY SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

SPECIES	TIMBERLAND	MARGINAL TIMBERLAND	TOTAL
	ТН	OUSAND CUBIC FEET	7
SOFTWOODS:			
BLACK SPRUCE	2,151.8	1,780.6	3,932.4
WHITE SPRUCE	22,316.4	3,553.9	25,870.3
TOTAL	24,468.2	5,334.5	29,802.7
HARDWOODS:			
BALSAM POPLAR	2,240.4	20.2	2,260.6
PAPER BIRCH	19,306.0	1,186.5	20,492.5
QUAKING ASPEN	15,324.1	389.3	15,713.4
TOTAL	36,870.5	1,596.0	38,466.5
2 0 2112	00,0.00	2,070.0	00, .00.0
ALL SPECIES	61,338.7	6,930.5	68,269.2

TABLE 27--NET ANNUAL GROWTH OF SAWTIMBER ON TIMBERLAND AND MARGINAL TIMBERLAND BY SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

SPECIES	TIMBERLAND	MARGINAL TIMBERLAND	TOTAL		
	THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE				
SOFTWOODS:					
BLACK SPRUCE	2,004.7	2,462.0	4,466.7		
WHITE SPRUCE	145,372.7	28,937.8	174,310.5		
TOTAL	147,377.4	31,399.8	178,777.2		
HARDWOODS:					
BALSAM POPLAR	6,258.0	19.0	6,277.0		
PAPER BIRCH	21,304.8	292.2	21,597.0		
QUAKING ASPEN	8,019.8	93.1	8,112.9		
TOTAL	35,582.6	404.3	35,986.9		
ALL SPECIES	182,960.0	31,804.1	214,764.1		

TABLE 28--ANNUAL MORTALITY OF GROWING STOCK ON TIMBERLAND AND MARGINAL TIMBERLAND BY SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

SPECIES	TIMBERLAND	MARGINAL TIMBERLAND	TOTAL
	THOUS	AND CUBIC FEET	
SOFTWOODS:			
BLACK SPRUCE	227.7	22.9	250.6
WHITE SPRUCE	4,527.3	336.2	4,863.5
TOTAL	4,775.0	359.1	5,134.1
HARDWOODS:			
BALSAM POPLAR	333.1	water write	333.1
PAPER BIRCH	990.7	26.2	1,016.9
QUAKING ASPEN	44.8	42.4	87.2
TOTAL	1,368.6	68.6	1,437.2
ALL SPECIES	6,143.6	427.7	6,571.3

-- = no data were collected.

 $\underline{1}$ /Totals may be off because of rounding.

TABLE 29--ANNUAL MORTALITY OF SAWTIMBER ON TIMBERLAND AND MARGINAL TIMBERLAND BY SPECIES, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75  $\underline{1}$ /

SPECIES	TIMBERLAND	MARGINAL TIMBERLAND	TOTAL
		OUSAND BOARD FEET, ATIONAL 1/4-INCH RUL	.E
SOFTWOODS:			
BLACK SPRUCE	740.3	-	740.3
WHITE SPRUCE	17,347.1	1,181.3	18,528.4
TOTAL	18,087.4	1,181.3	19,268.7
HARDWOODS:			
BALSAM POPLAR		-	
PAPER BIRCH	166.9		166.9
QUAKING ASPEN	gen gen	enn enn	gan gan
TOTAL	166.9		166.9
ALL SPECIES	18,254.3	1,181.3	19,435.6

<sup>-- =</sup> no data were collected.

TABLE 30--ANNUAL MORTALITY OF GROWING STOCK ON TIMBERLAND AND MARGINAL TIMBERLAND BY CAUSE AND BY SOFTWOODS AND HARDWOODS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/

TIMBERLAND CAUSE		MARGIN.	MARGINAL TIMBERLAND			
	SOFTWOODS	HARDWOOD	S TOTAL	SOFTWOODS	HARDWOODS	TOTAL
		T	HOUSAND CUBI	C FEET		
FIRE	1,828.3	697.4	2,525.7			
INSECTS	595.3	83.1	678.4	67.3		67.3
DISEASE	197.0	42.7	239.7			
WINDTHROW	597.8	75.9	673.7	118.0	42.4	60.4
LOGGING	239.6		239.6			
OTHER	884.3	274.6	1,158.9	79.6		79.6
UNKNOWN	412.7	194.9	607.6	94.2	26.2	120.4
TOTAL	4,755.0	1,368.6	6,123.6	359.1	68.6	427.7

-- = no data were collected.

 $\underline{1}$ /Totals may be off because of rounding.

TABLE 31--ANNUAL MORTALITY OF SAWTIMBER ON TIMBERLAND AND MARGINAL TIMBERLAND BY CAUSE AND BY SOFTWOODS AND HARDWOODS, TANANA INVENTORY UNIT, INTERIOR ALASKA, 1971-75 1/2

CAUSE	Т	CIMBERLAND		MARGINA	MARGINAL TIMBERLAND		
	SOFTWOODS	HARDWOODS	TOTAL	SOFTWOODS	HARDWOODS	TOTAL	
			THOUSAND	BOARD FEET,			
			INTERNATIONA	L 1/4-INCH RU	LE		
FIRE	7,545.6	166.9	7,712.5	167.9		167.9	
INSECTS	2,632.7		2,632.7				
DISEASE	1;503.1		1,503.1				
WINDTHROW	2,784.6		2,784.6	464.4		464.4	
LOGGING	650.7		650.7				
OTHER	2,021.9		2,021.9	320.8		320.8	
UNKNOWN	948.8		948.8	228.2		228.2	
TOTAL	18,087.4	166.9	18,254.6	1,181.3		1,181.3	

Estimates are subject to sampling error.

-- = no data were collected.

## Acknowledgments

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Statistical report preparation: Willem W. S. van Hees.

### Metric Equivalents

- 1 inch = 2.54 centimeters (cm)
- 1 foot = 0.3048 meter (m)
- 1 mile = 1.609 kilometers (km)
- 1 acre = 0.4047 hectares (ha)
- 1 cubic foot = 0.0283 cubic meter ( $m^3$ )
- 1 cubic foot per acre = 0.069 97 cubic meter
  per hectare (m³/ha)
- 20 cubic feet per acre = 1.3994 cubic meters per hectare (m<sup>3</sup>/ha)
- 1 square foot basal area per acre = 0.2296 square meter per hectare  $(m^2/ha)$

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van Hees, Willem W. S. Timber resource statistics for the Tanana inventory unit, 1971-75. Resour. Bull. PNW-109. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1983. 36 p.

Statistics on forest area, total gross and net timber volumes, and annual net growth and mortality are presented for the 1971-75 timber inventory of the Tanana unit, Alaska. This report summarizes statistics previously published for the four inventory blocks of the unit: Fairbanks, Kantishna, Upper Tanana, and Wood-Salcha. Timberland area is estimated at 2.19 million acres (888 164 ha), net growing stock volume at 2.27 billion cubic feet (64.36 million m³), and annual net growth and mortality at 61.34 and 6.14 million cubic feet (1.74 and 0.17 million m³), respectively.

Keywords: Forest surveys, timber inventory, statistics (forest), resources (forest), Alaska (Tanana River valley).

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.

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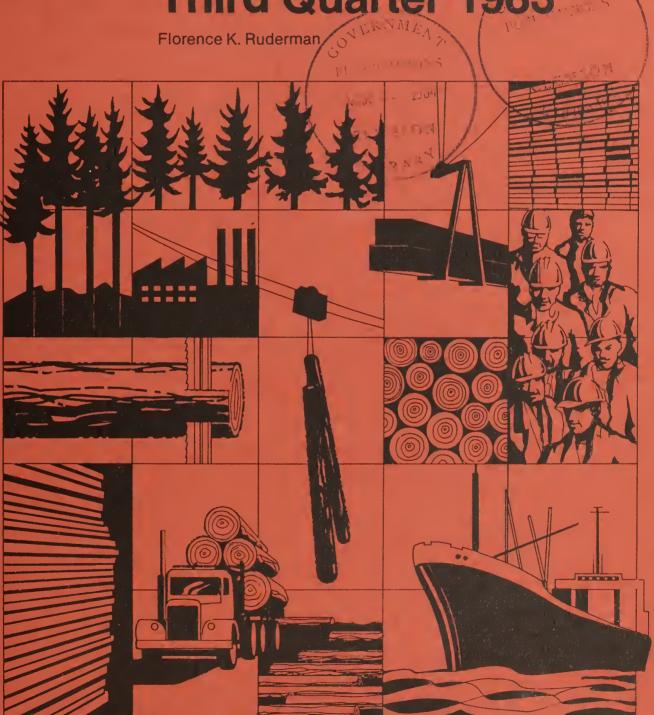
Pacific Northwest Forest and Range Experiment Station

Resource Bulletin PNW-110

March 1984



Production, Prices, Employment, and Trade in Northwest Forest Industries, Third Quarter 1983



#### **ABSTRACT**

Ruderman, Florence K. Production, prices, employment, and trade in Northwest forest industries, third quarter 1983. Resour. Bull. PNW-110. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1984. 57 p.

Provides current information on the lumber and plywood production and prices, employment in the forest industries, international trade in logs, lumber, and plywood, volume and average prices of stumpage sold by public agencies, and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing, (forest products), import/export (forest products), markets (external), economics (forestry business).

#### **PREFACE**

This quarterly report presents current information on the timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Historical data for the years before 1969 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries."

Cooperation in supplying data has been received from the following sources: the U.S. Department of Agriculture, Forest Service, Forest Resources Economics Research Staff in Washington, D.C.; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

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TABLES INCLUDED IN THIS SERIES OF REPORTS, FREQUENCY OF PUBLICATION, AND MOST RECENT QUARTER PUBLISHED

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<sup>1/</sup>A:

B:

Published annually as data become available. Published biannually as data become available. Published periodically as data become available. Published quarterly as data become available. P:

Q:

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# **TABLES**

	SOFTWOOD LUMBER PRODUCTION				
YEAR	TOTAL SOFTWOOD LUMBER	WESTERN WASHINGTON AND WESTERN OREGON <sup>1</sup>	CAL IFORN I A REDWOOD REG ION	INLAND REGION <sup>2</sup>	U.S. SOFTWOOD PLYWOOD PRODUCTION <sup>3</sup>
	Million board feet				Million sq ft, 3/8-inch basis
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 January	21,830 22,267 19,425 17,773 20,611 21,558 20,780 20,045 16,045 15,004 14,050	8,983 9,074 7,777 7,134 8,322 8,796 8,845 8,427 6,815 6,339 5,808	2,452 2,629 2,675 2,194 2,500 2,453 1,902 1,838 1,617 1,455 1,421	10,395 10,564 8,973 8,445 9,789 10,309 10,033 9,780 7,613 7,210 6,821	18,324 18,305 15,878 16,050 18,440 19,677 19,936 20,022 16,573 17,073 17,150
February March	1,395 1,551	612 696	147 144	636 711	1,557 1,848
Total, 1st quarter	4,352	1,950	454	1,948	5,003
April May June	1,516 1,546 1,560	682 693 644	121 131 149	713 722 767	1,703 1,799 1,659E
Total, 2d quarter	4,622	2,019	401	2,202	5,161E
July August September	1,445 1,495 1,581	613 533 671	127 128 121	705 784 789	1,629 1,926 1,839
Total, 3d quarter	4,521	1,867	376	2,278	5,394
October November December					
Total, 4th quarter					
1983 total					
From 2d quarter 1983 3d quarter 1982	-2.2 16.4R	3d quarter 198 -7.5 18.3R	33 change, in pe -6.2 1.3R	3.5 17.7R	4.5E 18.4

Source--Western Wood Products Association, Portland, Oregon (western Washington and western Oregon, and inland region), National Forest Products Association, Washington, D.C. (California redwood region), and American Plywood Association, Tacoma, Washington (U.S. softwood plywood data).

 $<sup>^{1}</sup>$ Includes small amounts of hardwood.

 $<sup>^2</sup>$ Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Amizona, New Mexico, and a portion of South Dakota.

<sup>&</sup>lt;sup>3</sup>Data for 1974 and 1975 are based in part on sampling.

E = estimated.

R = revised.

Table 2--Wholesale prices of selected lumber products, 1972-83

(In dollars per thousand board feet)

EAR	DOUGLAS-FIR STD. AND BTR., 2 8Y 4 RL, 8/12', KD, NET, F.O.8. MILL	PONDEROSA PINE 80AROS, NO. 3, 1 BY 12 RL, KD, NET, F.O.B. MILL	PONDEROSA PINE, NO. 2 SHOP, 6/4 RWRL, S2S, NET, F.O.B. MILL	FIR-LARCH STO. AND 8TR., 2 8Y 4 RL, 8/20', KD, NET, F.O.B. MILL	SPRUCE-PINE-FIR STD. AND BTR., 2 by 4 RL, 8/20', KO, NET, F.O.B. MILL
972	136.00	140.00	177.00	139.00	126.00
.973	177.00	189.00	233.00	173.00	152.00
974	144.00	162.00	247.00	136.00	120.00
975	148.00	144.00	205.00	144.00	117.00
976	178.00	188.00	318.00	169.00	151.00
977	213.00	229.00	380.00	202.00	173.00
978	241.00	263.00	459.00	238.00	209.00
979	260.00	309.00	479.00	201.00	225.00
980	209.00	296.00	478.00	201.00	168.00
981	190.00	296.00	483.00	181.00	158.00
982 983	167.00	253.00	357.00	160.00	141.00
January	230.00	263.00	459.00	212.00	140.00
February	228.00	272.00	521.00	208.00	174.00
March	226.00	250.00	564.00	213.00	181.00
Average, 1st quarter	228.00	262.00	515.00	211.00	180.00
April	229.00	251.00	594.00	225.00	185.00
May	240.00	258.00	599.00	234.00	225.00
June	254.00	272.90	586.00	248.00	238.00
Average, 2d quarter	241.00	260.00	593.00	236.00	216.00
July	250.00	244.00	575.00	235.00	207.00
August	213.00	225.00	584.00	192.00	170.00
September	194.00	218.00	590.00	183.00	158.00
Average, 3d quarter	219.00	229.00	583.00	203.00	178.00
October November December					
Average, 4th quarter					
1983 average					
			warter 1983 change, ir	n percent	
rom					
2d quarter 1983	-9.1	-11.9	-1.7	-14.0	-17.6
3d quarter 1982	36.9	.4R	66.1R	31.8	29.9

Source--Random Lengths Publications, Inc.

R = revised.

Table 3--Wholesale prices of selected softwood plywood products, 1972-83 (In dollars per thousand square feet)

YEAR	SHEATHING, WESTERN EXTERIOR, 3/8-INCH, CD, NET F.O.B. MILL	SHEATHING, SOUTHERN (WEST) 1/ EXTERIOR, 3/8-INCH, CD, NET F.O.B. MILL	SANDED, WESTERN INTERIOR, 1/4-INCH, AD, NET F.O.B. MILL
1972 1973 1974	92.00 107.00 92.00	93.00 100.00 94.00	101.00 127.00 140.00
1975 1976 1977	99.00 127.00 157.00	95.00 125.00 159.00	146.00 160.00 183.00
1978 1979 1980 1981 1982	169.00 164.00 155.00 148.00 135.00	174.00 156.00 155.00 140.00 139.00	214.00 221.00 211.00 203.00 185.00
1983 January February March	158.00 157.00 152.00	162.00 162.00 164.00	174.00 178.00 179.00
Average, 1st quarter	156.00	163.00	177.00
April May June	150.00 155.00 162.00	158.00 163.00 172.00	182.00 189.00 196.00
Average, 2d quarter	156.00	164.00	189.00
July August September	159.00 146.00 150.00	166.00 152.00 149.00	189.00 174.00 169.00
Average, 3d quarter	152.00	156.00	177.00
October November December			
Average, 4th quarter			
1983 average			
	3d qı	uarter 1983 change, in	percent
From 2d quarter 1983 3d quarter 1982	-2.6 15.2	-4.9 10.6	6.3 -3.8R

Source--Random Lengths Publications, Inc.

 $<sup>\</sup>underline{1}/$  Texas, Louisiana, Arkansas.

R = revised.

Table 4--Washington and Oregon timber harvest by ownership, 1972-82 (In million board feet, Scribner scale)

STATE AND			NATIONAL	BUREAU OF LAND	BUREAU OF_INDIAN	OTHER	
YEAR	PRIVATE	STATE	FOREST	MANAGEMENT	AFFAIRS	PUBLIC	TOTAL
Washington							
1972	4,015	1,004	1,488	3	489	82	7,081
1973	4,728	998	1,613	1	445	24	7,809
1974	4,337	685	1,290	Ō	452	112	6,876
1975	4,062	540	1,098	1	419	65	6,185
1976	4,414	766	1,214	3	516	55	6,968
1977	4,068	797	1,171	4	477	75	6,592
1978	4,036	955	1,261	3	460	36	6,751
1979	4,068	1,095	1,276	$\frac{1}{1}$	432	98	6,969
1980	3,507	745	1,089	0	336	43	5,720
1981	3,266	468	875	1	260	20	4,890
1982	3,740	440	728	1	152	18	5,079
Oregon							
1972	3,919	246	3,944	1,419	80	22	9,630
1973	3,610	288	3,836	1,501	95	36	9,366
1974	3,822	225	3,163	1,025	11	15	8,361
1975	3,781	160	2,661	626	123	20	7,371
1976	3,561	203	3,174	1,082	108	25	8,153
1977	3,590	228	2,913	1,021	115	11	7,878
1978	3,549	235	3,235	1,039	121	22	8,201
1979	3,209	223	3,167	956	111	29	7,695
1980	3,134	186	2,399	797	105	19	6,640
1981	2,702	216	1,981	677	95	24	5,695
1982	3,440	175	1,688	312	126	17	5,758

Source-Prepared by the Pacific Northwest Forest and Range Experiment Station in cooperation with the Washington Department of Natural Resources and Oregon Department of Forestry.

<sup>1/</sup> Less than 500,000 board feet.

Table 5-Montana and Idaho timber harvest by ownership, 1972-82

(In million board feet, Scribner scale)

STATE AND YEAR	PRIVATE	STATE	BUREAU OF INDIAN AFFAIRS	BUREAU OF LAND MANAGEMENT	NATIONAL FOREST	TOTAL
Montana 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	407.6 429.4 499.4 500.9 569.9 556.8 626.7 567.5 466.6 434.0 492.4	31.4 23.3 7.6R 9.8 17.3 18.8 27.5 28.3 26.0 28.9 29.5	82.8 98.0R 82.7R 48.6R 44.1R 46.0 53.6 42.6 38.0 38.0 29.8	6.9 2.6R 3.3R 4.8R 4.6R 5.1R 5.1 5.4 5.6 9.1	676.6 564.1 495.3 444.5 470.4 498.9 458.6 451.7 408.6 387.3 274.5	1,205.3 1,117.4R 1,088.3R 1,008.6R 1,106.1R 1,125.6R 1,171.5 1,095.5R 944.8 897.3 836.8
Idaho 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	653.8 642.9 686.3 790.8 700.7 734.8 767.6 784.0 857.6 527.7 642.2	147.8 169.5 176.0 93.1 193.6 161.5 218.7 162.7 140.8 149.5 82.3	11.9 9.6 20.0R 4.2 4.0 4.1R 11.4 8.9 4.5 8.6 10.9	14.1 5.0R 9.8 27.1R 20.2 20.9 17.5 15.7R 15.9 18.9	882.6 826.4R 791.8 677.5 1,009.5R 826.5 841.6 833.5 606.0 564.0 450.2	1,710.2 1,653.4R 1,683.9R 1,592.7R 1,927.8R 1,747.8R 1,856.8 1,804.8R 1,624.8 1,268.7 1,203.3

Source--respective agencies.

R = revised.

Table 6--British Columbia timber harvest, 1972-83 (In thousand cubic meters)

YEAR	COAST1	INTERIOR <sup>2</sup>	TOTAL
1972	24,706	31,744	56,450
1973	32,275	37,408	70,133
1974	27,878	32,207	60,085
1975	21,365	28,711	50,076
1976	32,192	37,226	62,418
1977	28,558	41,412	69,970
1978	32,328	42,835	75,163
1979	30,568	45,627	76,195
1980	30,174	44,090	74,804
1981	31,243	41,341	72,584
1982	21,352	34,879	56,231
1983	26,846	44,597	71,443

Source--Ministry of Forests Annual Report, Province of British Columbia (respective years).

 $<sup>^{1}\</sup>text{Comprises}$  all of Vancouver Forest District and one-half of Prince Rupert Forest District.

<sup>&</sup>lt;sup>2</sup>Comprises Cariboo, Kamloops, Nelson, and Prince George Forest Districts and one-half of Prince Rupert Forest District.

Table 7--Alaska timber harvest on public lands, by ownership, 1972-82 (In thousand board feet, Scribner scale)

			BUREAU OF LAND MANAGEMENT			NA	Г		
	BUREAU OF INDIAN AFFAIRS	FREE USE	CUT	TOTAL	TONGASS	CHUGACH	TOTAL	TOTAL	
1972	50,591	5,070	17	28	45	547,500	3,021	550,521	606,227
1973	35,356	28,795	11	145	156	588,491	3,109	591,600	655,907
1974	51,241	12,083	39	114	153	544,025	5,608	549,633	613,110
1975	33,540	52	50	930	980	408,371	4,683	413,054	447,626
1976	41,714	1,011	844	295	1,139	462,776	9,402	472,178	516,042
1977	60,251	6,145	325	29	354	412,331	8,369	420,700	487,450
1978	30,301	4,040	1,862	149	2,011	398,701	9,873	408,574	444,926
1979	32,382	2,629	656	159	815	453,200	6,300	459,500	495,326
1980	47,547	17,000	484	50	534	452,121	1,565	453,686	518,767
1981	53,687	702	330	32	362	385,690	1,814	387,504	442,255
1982	35,198	2,895	NA	NA	NA	344,857	679	345,536	NA

Source--respective agencies.

NA = not available.

Table 8--California timber harvest by ownership, 1972-82

(In million board feet, Scribner scale)

YEAR	PRIVATE1	STATE	BUREAU OF INDIAN AFFAIRS	BUREAU OF LAND MANAGEMENT	NATIONAL FOREST1	TOTAL
1972	2,664	37	66	19	2,215	5,001
1973	2,813	33	51	12	2,014	4,923
1974	2,862	40	51	16	1,735	4,704
1975	2,712	35	18	46	1,523	4,334
1976	2,757	40	38	6	1,890	4,731
1977	2,964	28	38	19	1,738	4,787
1978	2,783	28	47	8	1,798	4,664
1979	2,265	26	48	18	1,727	4,084
1980	1,863	20	42	8	1,508	3,441
1981	1,722	15	22	7	1,093	2,859
1982	1,501	42	NA	NA	937	NA

Source--respective agencies.

1 May include negligible amounts from other public lands.

NA = not available.

Table 9--Employment in forest products industries in Washington, Oregon, and Alaska, 1972-83 (In thousands of persons)

	WASI	HINGTON AND OF	REGDN		WASHINGTD	N		OREGON		ALASKA		
YEAR	TDTAL	LUMBER ANO WOOD PRDOUCTS	PAPER AND ALLIED PRODUCTS	TOTAL	LUMBER AND WOOO PRODUCTS	PAPER ANO ALLIEO PRODUCTS	TOTAL	LUMBER AND WODD PRODUCTS	PAPER AND ALLIED PRODUCTS	TOTAL	LUMBER AND WDDD PRODUCTS	PULP AND ALLIEO PRODUCTS
1972	15D.2	122.5	27.7	65.5	47.3	18.2	84.7	75.2	9.5		2.8	$\frac{\frac{1}{2}}{\frac{2}{2}}$ 1.1
1973	155.3	127.9	27.4	66.8	49.1	17.7	88.5	78.8	9.7		2.3	2/
1974	152.1	124.5	27.6	67.3	49.7	17.6	84.8	74.8	10.0		2.5	2/
1975	137.2	110.8	26.4	60.4	43.8	16.6	76.8	67.0	9.8		2.0	2/
1976	150.9	123.4	27.5	68.4	51.0	17.4	82.5	72.4	10.1	3.4	2.3	1.1
1977	159.2	131.4	27.8	71.6	53.9	17.7	87.6	77.5	10.1	3.6	2.2	1.4
.978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8	2.9	1.8	1.1
.979	159.D	133.4	25.6	68.4	52.6	15.8	90.6	8D.8	9.8	3.0	2.0	1.0
.98D	144.1	116.1	28.0	64.1	46.5	17.6	80.0	69.6	10.4	3.4	2.3	1.1
.981	135.6	108.1	27.5	61.6	44.4	17.2	74.0	63.7	10.3	2.8	1.9	.9
.982	12D.4	94.5	25.9	55.2	39.0	16.2	65.2	55.5	9.7	2.6	1.8	.8
.983	12004	34.3	200	33.2	37.0	10.2	03.2	33.3	2 + 1	2.0	1.0	• 0
January	120.0	94.9	25.1	54.6	38.8	15.8	65.4	56.1	9.3	1.9	1.1	. 8
February	122.6	97.7	24.9	55.3	39.7	15.6	67.3	58.D	9.3	2.2	1.4	.8
March	124.5	99.8	24.7	56.2	40.7	15.5	68.3	59.1	9.2	2.6	1.8	.8
	124.5	99.0	L4+1	30.2	40.7	15.5	00.5	35.1	J • C	2.0	1.0	• 0
Average, 1st quarter	122.3	97.4	24.9	55.3	39.7	15.6	67.D	57.7	9.3	2.2	1.4	.8
April	126.5	101.5	25.0	57.3	41.6	15.7	69.2	59.9	9.3	2.8	2.2	. 6
May	128.5	103.5	25.0	57.9	42.2	15.7	70.6	61.3	9.3	3.3	2.5	.8
June	133.6	108.0	25.6	59.6	43.6	16.0	74.0	64.4	9.6	3.3	2.5	.8
	155.0	100.0	23.0	33.0	45.0	10.0	74.0			3.3		• • •
Average, 2d quarter	129.6	104.4	25.2	58.3	42.5	15.8	71.3	61.9	9.4	3.1	2.4	. 7
July	135.3	109.3	26.D	60.3	44.0	16.3	75.0	65.3	9.7	3.2	2.4	.8
	134.9	108.9	26.0	59.2	42.9	16.3	75.7	66.0	9.7	3.2	2.3	.9
August September	134.9	109.D	25.6	59.5	43.3	16.2	75.1	65.7	9.4	3.2	2.3	.9
Average, 3d quarter	135.0	109.1	25.9	59.7	43.4	16.3	75.3	65.7	9.6	3.2	2.3	.9
October November Oecember												
Average, 4th quarter												
1983 average												
					24	1002	d 1 -					
rom					- 3d quarter	1983 change	in emplo	yment				
2d quarter	E A	4.7	.7	1.4	.9	•5	4.0	3.8	.2	.1	1	. 2
1983	5.4	4.7	• /	1 - 4	+ 9	. 5	4.0	3.0	٠ ۷	• 1	- • 1	۰ ۷
3d quarter	10.2	10.5	3	2.3	2.6	3	7.9	7.9	0	2	0	2
1982	10.2	10.5	3	2.3	2.0	5	1.3	1.0	0	- • 2	U	- • 2

Source--State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excludes furniture). The paper and allied products industry includes pulp, paper, paper-board, and building board products. Since April 1974, employment data have been based on place of residence.

 $^{1}\text{Before 1973}$ , data for the pulp and allied products industry are included in the lumber and wood products industry.  $^{2}\text{Withheld}$  to avoid disclosure.

Table 10--Employment in forest products industries in California, 1972-83 (In thousands of persons)

YEAR	TOTAL	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS
1972	90.3	52.4	37.9
1973	90.2	54.1	36.1
1974	88.2	50.9	37.3
1975	87.3	52.8	34.5
1976	96.6	59.9	36.7
1977	104.2	66.6	37.6
1978	107.1	69.9	37.2
1979	107.8	68.7	39.1
1980	101.3	62.6	38.7
1981	96.6	57.9	38.7
1982	83.7	46.2	37.5
1983			
January	79.2	42.8	36.4
February	80.4	44.0	36.4
March	73.1	36.4	36.7
Average, 1st quarter	77.6	41.1	36.5
·			
April	83.0	46.6	36.4
May	86.1	49.3	36.8
June	90.1	52.6	37.5
Average, 2d quarter	86.4	49.5	36.9
July August September			
Average, 3d quarter			
October November December			
Average, 4th quarter			
1983 average			
	2d q	uarter 1983 change in	employment
From			
1st quarter 1983	8.8	8.4	. 4
2d quarter 1982	2.1	3.0	9

Source--State of California, Department of Employment. Since April 1974, data have been based on place of residence.

Table 11--Employment in forest products industries in Montana and Idaho, 1972-83 (In thousands of persons)

	MOM	ITANA		IDAHO	
YEAR	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS	TOTAL	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS
1972	9.2	1/	15.2	14.1	1.1
1973	9.8	$\frac{1}{1}$ /	16.3	15.1	1.2
1974	9.5	$\frac{1}{3}$	15.7	14.6	1.1
1975 1976	8.1 9.1	$\frac{1}{1}$	16.8	15.7	1.1
1977	9.3	$\frac{1}{1}$	18.6 19.0	17.4 17.8	1.2 1.2
1978	10.7	$\frac{1}{1}'$	20.1	18.8	1.3
1979	11.1	$\frac{1}{1}$	19.9	18.5	1.4
1980	8.7	$\frac{1}{1}$ /	17.5	16.1	1.4
1981	8.8	ī/	16.6	15.1	1.5
1982	7.7	$\overline{\underline{1}}/$	13.6	12.1	1.5
1983					
January	7.0	$\frac{\frac{1}{\underline{1}}/}{\underline{\underline{1}}/}$	13.6	12.1	1.5
February	7.4	$\frac{1}{1}$	12.8	11.3	1.5
March	7.1	<u></u>	12.7	11.2	1.5
Average, 1st quarter	7.2	1/	13.0	11.5	1.5
		=-			100
April	7.3	$\frac{\underline{1}}{\underline{1}}/$	13.6	12.1	1.5
May	7.4	$\frac{1}{2}$	14.8	13.3	1.5
June	7.8	<u>1</u> /	16.1	14.6	1.5
Average, 2d quarter	7.5	1/	14.8	13.3	1.5
24 quai vei	,	<u> -</u> /	14.0	13.3	1.3
July	7.9	1/	16.6	15.1	1.5
August	8.0	$\overline{1}$ /	17.7	16.1	1.6
September	7.7	$\frac{\frac{1}{1}}{\frac{1}{L}}$	17.6	16.0	1.6
Average,	7.0	1./	17.2	15.7	1.6
3d quarter	7.9	<u>1</u> /	17.3	15.7	1.6
October					
November					
December					
Average, 4th quarter	<del></del>				
1983 average					
		3d quarter 1	1983 change	in employment	
rom 2d quarter 1983	. 4		2.5	2.4	.1
3d quarter 1982	.1		1.9	1.8	.1

Source--State employment agencies. Since April 1974, employment data have been based on place of residence.

1/Withheld to avoid disclosing figures for individual companies.

Table 12--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In thousand board feet, Scribner scale)

		FROM 801	TH STATES		FROM WASHINGTON CUSTOMS DISTRICT			FROM OREGON CUSTOMS DISTRICT			
YEAR ANO QUARTER	TOTAL	00UGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOOS	TOTAL	00UGLAS- F1R	OTHER SOFTWOOOS	TOTAL	00UGLAS- FIR	PORT - ORFORO - CEOAR	OTHER SOFTWOOO
					TO ALL	COUNTRIES					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	3,233,652 2,631,817	767,496 864,474 715,514 765,840 945,649 966,763 1,139,267 1,309,179 1,262,210 1,017,154	36,907 20,966 17,481 24,361 26,576 16,721 24,493 22,693 12,300 15,520	1,832,745 1,753,770 1,456,372 1,435,286 1,764,849 1,572,131 1,683,634 1,901,780 1,357,307 954,485	1,907,235 1,833,293 1,423,570 1,427,387 1,792,944 1,674,860 1,915,979 2,249,963 1,699,138 1,315,882	566,487 555,324 404,884 437,290 527,889 556,419 619,500 732,392 645,073 579,034	1,340,748 1,277,969 1,018,686 990,097 1,265,055 1,118,441 1,296,479 1,517,571 1,054,065 736,848	729,913 805,917 765,797 798,100 944,130 880,755 931,415 983,689 932,679 671,277	201,009 309,150 310,630 328,550 417,760 410,344 519,767 576,787 617,137 438,120	36,907 20,966 17,481 24,361 26,576 16,721 24,493 22,693 12,300 15,520	491,997 475,801 437,686 445,189 499,794 453,690 387,155 384,209 303,242 217,637
1st qtr. 2d qtr. 3d qtr. 4th qtr.	637,603 610,403 704,696 614,942	339,716 365,318 392,460 330,341	3,725 2,731 1,704 3,139	294,162 242,354 310,532 281,462	405,752 349,134 446,910 394,997	179,234 171,695 201,785 177,130	226,518 177,439 245,125 217,867	231,851 261,269 257,786 219,945	160,482 193,623 190,675 153,211	3,725 2,731 1,704 3,139	67,644 64,915 65,407 63,595
1982 total	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	577,494 609,927 762,363	305,497 333,481 416,444	1,963 1,486 3,063	270,034 274,960 342,856	401,147 412,019 514,979	181,023 187,493 239,157	220,124 224,526 275,822	176,347 197,908 247,384	124,474 145,988 177,287	1,963 1,486 3,063	49,910 50,434 67,034
1983 total											
					ТО	JAPAN					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	2,391,163 2,455,485 1,975,575 2,014,244 2,547,037 2,348,325 2,521,885 2,959,726 2,344,322 1,603,941	1,279,177	36,907 20,966 17,342 24,361 24,573 16,721 22,814 20,611 12,300 15,495	1,661,948 1,612,359 1,320,008 1,257,619 1,620,553 1,397,791 1,395,509 1,659,938 1,156,615 741,972	1,678,846 1,663,203 1,237,653 1,255,817 1,623,064 1,496,627 1,630,247 1,998,315 1,488,494 1,003,391	496,201 520,373 341,890 410,721 491,451 526,255 589,654 705,921 602,605 452,724	1,182,645 1,142,830 895,763 845,096 1,131,613 970,372 1,040,593 1,292,394 885,889 550,667	712,317 792,282 737,922 758,427 923,973 851,698 891,638 961,411 855,828 600,550	196,107 301,787 296,335 321,543 410,460 407,558 513,908 573,256 572,802 393,750	36,907 20,966 17,342 24,361 24,573 16,721 22,814 20,611 12,300 15,495	479,303 469,529 424,245 412,523 488,940 427,419 354,916 367,544 270,726 191,305
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	490,917 344,717 474,753 427,800	279,704 196,034 281,511 233,385	3,725 2,731 1,677 3,139	207,488 145,952 191,565 191,276	287,202 189,154 271,741 244,806	133,825 85,725 131,830 106,269	153,377 103,429 139,911 138,537	203,715 155,563 203,012 182,994	145,879 110,309 149,681 127,116	3,725 2,731 1,677 3,139	54,111 42,523 51,654 52,739
1982 total	1,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	409,186 418,508 400,394	214,008 241,044 230,422	1,963 1,486 3,063	193,215 175,978 166,909	252,587 253,590 228,968	102,641 122,555 112,900	149,946 131,035 116,068	156,599 164,918 171,426	111,367 118,489 117,522	1,963 1,486 3,063	43,269 44,943 50,841

1983 total

Table 12-Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In thousand board feet, Scribner scale)

		FROM 8	BOTH STATES		FROM WA	SHINGTON CUSTON	MS OISTRICT	FROM OREGON CUSTOMS DISTRICT			
YEAR ANO QUARTER	TOTAL	OOUGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOOS	TOTAL	00UGLAS- FIR	OTHER SOFTW000S	TOTAL	00UGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOD
		,			TO CA	NAOA					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	170,582 72,164 73,664 58,506 48,289 15,698 12,638 24,124 985 1,332	43,294 22,265 39,060 16,793 14,803 9,531 9,361 7,737 395 392		127,288 49,899 34,604 41,713 33,486 6,167 3,277 16,387 590 940	159, 359 72,164 73,664 58,506 48,289 15,698 12,638 24,124 985 1,332	43,294 22,265 39,060 16,793 14,803 9,531 9,361 7,737 395 392	116,065 49,899 34,604 41,713 33,486 6,167 3,277 16,387 590 940	11,223	      		11,223
1st qtr. 2d qtr. 3d qtr. 4th qtr.	2,528 1,973 129 127	463 48 40 84		2,065 1,925 89 43	2,528 1,973 129 127	463 48 40 84	2,065 1,925 89 43				
1982 total	4,757	635		4,122	4,757	635	4,122				
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	120 3,014 50	397 	===	120 2,617 50	120 3,014 50	397 	120 2,617 50				
1983 total											
					TO SOUTH	H KOREA					
1972 1973 1974 1975 1976 1977 1978 1979 1980	47,554 101,929 137,665 79,022 130,069 187,967 307,865 245,314 191,387 147,833	4,419 15,175 36,308 13,946 26,454 21,201 24,844 20,342 11,796 10,919		43,135 86,754 101,357 65,076 103,615 166,766 283,021 224,972 179,591 136,914	46,304 96,680 111,580 42,100 117,007 162,252 271,887 227,072 163,988 132,675	4,419 12,063 23,378 9,100 21,068 20,418 20,426 18,653 9,549 9,333	41,885 84,617 88,202 33,000 95,939 141,834 251,461 208,419 154,439 123,342	1,250 5,249 26,085 36,922 13,062 25,715 35,978 18,242 27,399 15,158	3,112 12,930 4,846 5,386 783 4,418 1,689 2,247 1,586		1,250 2,137 13,155 32,076 7,676 24,932 31,560 16,553 25,152 13,572
982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	58,840 51,309 68,273 76,314	4,644 5,905 7,784 9,476		54,196 45,404 60,489 66,838	50,669 38,136 66,427 64,894	4,544 2,737 7,784 8,776	46,125 35,399 58,643 56,118	8,171 13,173 1,846 11,420	100 3,168  700		8,071 10,005 1,846 10,720
1982 total	254,736	27,809		226,927	220,126	23,841	196,285	34,610	3,968		30,642
983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	60,064 79,983 81,133	2,551 11,588 2,245	==	57,513 68,395 78,888	53,230 74,359 72,394	2,358 11,407 730	50,872 62,952 71,664	6,834 5,624 8,739	193 181 1,515		6,641 5,443 7,224
1983 total											
					TO MAINLA	NO CHINA					
.980 .981	87,785 219,237	69,901 149,592		17,884 69,645	43,271 170,779	31,884 111,058	11,387 59,721	44,514 48,458	38,017 38,534		6,497 9,924
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	79,715 203,944 143,635 105,808	53,813 157,466 95,143 83,625		25,902 46,478 48,492 22,183	60,090 117,366 98,120 83,186	39,523 82,557 61,115 61,003	20,567 34,809 37,005 22,183	19,625 86,578 45,515 22,622	14,290 74,909 34,028 22,622		5,335 11,669 11,487
1982 total	533,102	390,047		143,055	358,762	244,198	114,564	174,340	145,849		28,491
983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	104,596 106,859 280,401	86,035 78,958 183,392		18,561 27,901 97,009	94,305 79,999 213,563	75,744 52,098 125,523	18,561 27,901 88,040	10,291 26,860 66,838	10,291 26,860 57,869		 8,969
1983 total											

Source--U.S. Department of Commerce. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 13--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In thousand dollars)

		FROM 80	TH STATES		FROM WASH	HINGTON CUSTOMS	01STR1CT	F	ROM OREGON C	USTOMS 01STF	RICT
YEAR ANO QUARTER	TOTAL	00UGLAS- F1R	PORT- ORFORO- CEOAR	OTHER SOFTWOOOS	TOTAL	00UGLAS- F1R	OTHER SOFTWOOOS	TOTAL	00UGLAS- F1R	PORT - ORFORO - CEOAR	OTHER SOFTWOOD
					TO ALL	COUNTRIES					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	358,713 694,602 612,521 603,854 775,113 826,698 992,207 1,408,036 1,308,858 882,942	101,467 209,417 194,137 202,377 266,523 311,269 413,645 624,090 634,898 476,653	12,089 15,451 17,556 16,758 20,086 17,049 24,923 24,419 16,596 24,911	245,157 469,734 400,828 384,759 488,504 498,380 553,639 831,527 657,364 381,378	252,839 449,902 364,962 376,706 490,246 526,412 637,818 991,513 835,524 565,564	73,175 120,796 103,586 111,919 141,989 171,541 212,305 331,874 317,744 266,847	179,664 329,106 271,376 264,787 348,257 354,871 425,513 659,639 517,780 298,717	105,874 244,700 237,559 227,148 284,867 300,286 354,389 488,523 473,334 317,378	28,292 88,621 90,551 90,418 124,534 139,728 201,340 292,216 317,154 209,806	12,089 15,451 17,556 16,758 20,087 17,049 24,923 24,419 16,596 24,911	65,493 140,628 129,452 119,972 140,247 143,509 128,126 171,188 139,584 82,661
1st qtr. 2d qtr. 3d qtr. 4th qtr.	275,679 253,213 268,515 217,502	160,428 159,501 157,621 122,704	6,754 5,520 2,713 3,732	108,497 88,192 108,181 91,066	165,812 140,278 164,645 134,354	81,897 74,411 79,637 63,579	83,915 65,867 85,008 70,775	109,867 112,935 103,870 83,148	78,531 85,090 77,984 59,125	6,754 5,520 2,713 3,732	24,582 22,325 23,713 20,291
1982 total	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983 lst qtr. 2d qtr. 3d qtr. 4th qtr.	195,146 209,168 263,851	105,276 117,059 148,529	2,847 1,905 3,679	87,023 90,204 111,643	130,221 138,401 171,681	59,513 64,817 82,611	70,708 73,584 89,070	64,925 70,767 92,170	45,763 52,242 65,918	2,847 1,905 3,679	16,315 16,620 22,573
1983 total											
					TO	JAPAN					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	335,703 664,363 569,494 560,754 734,412 776,630 908,627 1,387,602 1,190,875 740,943	94,210 201,944 177,961 195,469 256,673 303,248 404,134 612,160 593,484 404,395	12,089 15,451 17,500 16,758 17,918 17,049 22,763 22,271 16,596 24,889	229,404 446,968 374,033 348,527 459,821 456,333 481,730 753,171 580,795 311,659	231,593 422,715 338,296 341,885 457,248 484,006 566,494 910,338 750,369 451,171	66,800 115,022 90,400 107,149 134,894 164,626 204,832 323,034 297,359 213,444	164,793 307,693 247,896 234,736 322,354 319,380 361,662 587,304 455,010 237,727	104,110 241,648 231,198 218,869 277,164 292,624 342,133 477,264 440,506 289,772	27,410 86,922 87,561 88,320 121,779 138,622 199,302 289,126 296,125 190,951	12,089 15,451 17,500 16,758 17,918 17,049 22,763 22,271 16,596 24,889	64,611 139,275 126,137 113,791 137,467 136,953 120,068 165,867 127,785 73,932
1st qtr. 2d qtr. 3d qtr. 4th qtr.	223,023 148,450 187,946 156,924	134,435 87,432 114,656 88,162	6,754 5,520 2,673 3,732	81,834 55,498 70,617 65,030	123,575 77,612 104,744 86,116	62,238 37,512 52,556 38,532	61,337 40,100 52,188 47,584	99,448 70,838 83,202 70,808	72,197 49,920 62,100 49,630	6,754 5,520 2,673 3,732	20,497 15,398 18,429 17,446
1982 total	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233,847	18,679	71,770
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	146,567 152,519 147,765	77,446 88,469 85,702	2,847 1,905 3,679	66,274 62,145 58,384	87,522 91,862 82,897	35,794 44,781 41,772	51,728 47,081 41,125	59,045 60,657 64,868	41,652 43,688 43,930	2,847 1,905 3,679	14,546 15,064 17,259

1983 total

Table 13--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In thousand dollars)

		FROM BO	TH STATES		FROM	WASHINGTON CUS	TOMS OISTRICT		FROM OREGON	CUSTOMS OI	STRICT
YEAR ANO QUARTER	TOTAL	DOUGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOOS	TOTAL	00UGLAS- FIR	OTHER SOF TWOOOS	TOTAL	OOUGLAS- FIR	PORT- ORFORO- CEDAR	OTHER SOFTWOOOS
					TO CA	NAOA					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	14,041 9,593 13,821 8,313 7,908 3,545 2,933 7,223 323 463	2,984 2,900 8,239 2,937 2,733 2,154 2,129 2,435 133 173		11,057 6,693 5,582 5,376 5,175 1,391 804 4,788 190 290	13,349 9,593 13,821 8,313 7,908 3,545 2,933 7,223 323 463	2,984 2,900 8,239 2,937 2,733 2,154 2,129 2,435 133 173	10,365 6,693 5,582 5,376 5,175 1,391 804 4,788 190 290	692			692
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	487 472 47 62	58 23 19 37	  	429 449 28 25	487 472 47 62	58 23 19 37	429 449 28 25				
1982 total	1,068	137		931	1,068	137	931				
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	42 734 21	 55 		42 679 21	42 734 21	55 	42 679 21				
1983 total											
					TO SOUTH	KOREA					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	5,094 18,506 28,225 14,757 27,546 44,949 76,839 80,173 71,675 47,481	469 3,468 7,303 2,688 5,664 4,811 6,392 6,982 4,116 4,027	    	4,625 15,038 20,922 12,069 21,882 40,138 70,447 73,191 67,559 43,454	4,939 17,290 22,552 7,912 24,400 38,738 67,974 73,751 62,108 43,048	469 2,725 4,714 1,648 4,350 4,672 5,333 6,378 3,279 3,513	4,470 14,565 17,838 6,264 20,050 34,066 62,641 67,373 58,829 39,535	155 1,216 5,673 6,845 3,146 6,211 8,865 6,422 9,567 4,433	743 2,589 1,040 1,315 139 1,059 604 837 514		155 473 3,084 5,805 1,831 6,072 7,806 5,818 8,730 3,919
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	18,579 16,135 20,701 21,000	1,850 1,911 2,599 2,809	  	16,729 14,224 18,102 18,191	16,070 12,406 20,166 18,015	1,786 1,197 2,599 2,554	14,284 11,209 17,567 15,461	2,509 3,729 535 2,985	64 714  255		2,445 3,015 535 2,730
1982 total	76,415	9,169		67,246	66,657	8,136	58,521	9,758	1,033		8,725
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	16,208 22,775 25,787	843 3,224 616	  	15,365 19,551 25,171	14,391 21,177 22,688	795 3,159 176	13,596 18,018 22,512	1,817 1,598 3,099	48 65 440		1,769 1,533 2,659
1983 total										·	
					TO MAINLA	NO CHINA					
1980 1981	41,433 88,000	34,285 63,977		7,148 24,023	21,326 67,639	16,692 47,363	4,634 20,276	20,107 20,361	17,593 16,614		2,514 3,747
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	31,515 84,797 52,757 38,009	23,577 67,655 36,953 30,514		7,938 17,142 15,804 7,495	23,939 48,870 35,767 29,643	17,554 35,416 24,076 22,148	6,385 13,454 11,691 7,495	7,576 35,927 16,990 8,366	6,023 32,239 12,877 8,366		1,553 3,688 4,113
1982 total	207,078	158,699		48,379	138,219	99,194	39,025	68,859	59,505		9,354
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	31,285 32,554 90,005	26,108 24,756 61,938		5,177 7,798 28,067	28,007 24,254 66,071	22,830 16,456 40,659	5,177 7,798 25,412	3,278 8,300 23,934	3,278 8,300 21,279	60 ay 60 60 10 10	2,655
1983 total											

Source--U.S. Oppartment of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 14--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In dollars per thousand board feet, Scribner scale)

		FROM	BOTH STATES		FROM WASI	HINGTON CUSTDM	S O1STRICT	FF	OM OREGON	CUSTOMS OIST	RICT
YEAR ANO QUARTER	ALL SPECIES	00UGLAS- F1R	PDRT- ORFORO- CEDAR	OTHER SOF TWOOOS	ALL SPECIES	00UGLAS- F1R	OTHER SOFTWOODS	ALL SPECIES	DOUGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOODS
					TO ALL COL	JNTR1ES					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	136.02 263.19 279.77 271.34 283.19 323.48 348.46 435.43 497.32 444.32	132.21 242.25 271.33 264.20 281.84 321.97 363.08 476.70 503.00 468.61	327.56 736.97 1,004.29 687.90 755.83 1,019.62 1,017.56 1,076.06 1,349.27 1,605.09	133.76 267.84 275.22 268.07 276.80 317.01 328.84 437.24 484.32 399.56	132.57 245.41 263.40 263.91 273.43 314.30 332.89 440.68 491.73 429.80	129.17 217.52 255.84 255.94 268.98 308.29 342.70 453.14 492.57 460.85	134.00 257.52 266.40 267.43 275.29 317.26 328.21 434.67 491.22 405.40	145.05 303.63 310.21 284.61 301.73 340.94 380.48 496.62 507.50 472.80	140.75 286.66 291.51 275.20 298.10 340.51 387.37 506.62 513.91 478.88	327.56 736.97 1,004.29 687.90 755.83 1,019.62 1,017.56 1,076.06 1,349.27 1,605.09	133.12 295.56 295.76 269.49 280.61 316.32 330.94 445.56 460.31 379.81
1st qtr. 2d qtr. 3d qtr. 4th qtr.	432.37 414.83 381.04 353.70	472.24 436.61 401.62 371.45	1,813.25 2,021.05 1,591.66 1,188.76	368.83 363.90 348.37 323.55	408.65 401.79 368.41 340.14	456.93 433.39 394.66 358.94	370.45 371.21 346.80 324.85	473.87 432.26 402.93 378.04	489.35 439.46 408.99 385.91	1,813.25 2,021.05 1,591.66 1,188.76	363.41 343.91 354.29 319.07
1982 average	395.27	420.40	1,656.70	350.88	378.94	410.40	352.46	422.12	430.85	1,656.70	345.51
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	337.92 342.94 346.10	344.61 351.02 356.66	1,450.33R 1,282.24 1,201.21	322.27 328.06 325.63	324.62 335.91 333.37	328.76 345.70 345.42	321.22 327.73 322.92	368.17 357.58 372.58	367.65 357.85 371.82	1,450.33 1,282.24 1,201.21	326.88 329.54 336.74
1983 average											
					TO JAI	PAN					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1980	140.39 270.56 288.27 278.39 288.34 330.72 360.30 468.83 507.98 461.95	136.08 245.63 278.84 266.94 284.59 324.74 366.21 478.56 504.92 477.74	327.56 736.97 1,009.12 687.90 729.17 1,019.62 997.76 1,080.54 1,349.27 1,606.26	138.03 277.21 283.36 277.13 283.74 326.47 345.20 453.73 502.15 420.04	137.95 254.16 273.34 272.24 281.72 323.40 347.49 455.55 504.11 449.65	134.62 221.04 264.41 260.88 274.48 312.83 347.38 457.61 493.35 471.47	139.34 269.24 276.74 277.76 284.86 329.13 347.55 454.43 511.36 431.71	146.16 305.00 313.31 288.58 299.97 343.58 383.71 496.42 514.71 482.51	139.77 288.03 295.48 274.68 296.69 340.13 387.82 504.36 516.98 484.95	327.56 736.97 1,009.12 687.90 729.17 1,019.62 997.76 1,080.54 1,349.27 1,606.26	134.80 296.63 297.32 275.84 281.15 320.42 338.30 451.28 472.01 386.46
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	454.30 430.64 395.88 366.82	480.63 446.01 407.29 377.76	1,813.25 2,021.05 1,594.30 1,188.76	394.40 380.25 368.63 339.98	430.27 410.31 385.45 351.77	465.07 437.58 398.66 362.59	399.91 387.71 373.01 343.47	488.17 455.36 409.84 386.94	494.91 452.55 414.88 390.43	1,813.25 2,021.05 1,594.30 1,188.76	378.79 362.10 356.77 330.81
1982 average	412.12	428.70	1,657.12	370.75	394.85	417.00	375.91	435.13	438.75	1,657.12	357.02
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	358.19 364.44 369.05	361.88 367.03 371.93	1,450.33 1,282.24 1,201.21	343.01 353.14 349.79	346.50 362.25 362.04	348.73 365.40 369.99	344.98 359.30 354.32	377.05 367.80 378.41	374.01 368.71 373.81	1,450.33 1,282.24 1,201.21	336.18 335.17 339.47

1983 average

TO CAMADA   TO C			FROM	BOTH STATES		FROM WAS	SHINGTON CUSTO	MS OISTRICT	FRO	M OREGON CUST	OMS DISTR	ICT
1972	YEAR ANO QUARTER			ORFORD -							ORFORO-	
1973 132-94 130-26 - 134-14 132-96 130-26 134-14					,	TO CAN	AOA					
1st dtr.   192.82   125.96     207.82   192.82   125.96   207.82	1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	132.94 187.62 142.09 163.76 225.82 232.08 299.41 327.92	130.26 210.93 174.89 184.62 226.D0 227.43 314.72 336.71	      	134.14 161.31 128.88 154.54 225.56 245.35 292.78 322.03	132.94 187.62 142.09 163.76 225.82 232.08 299.41 327.92	130.26 210.93 174.89 184.62 226.00 227.43 314.72 336.71	134.14 161.31 128.88 154.54 225.56 245.35 292.18 322.03	   	     		61.66
1983 - 346.55	1st qtr. 2d qtr. 3d qtr.	239.10 366.17	474.38 471.58		233.23 318.80	239.10 366.17	474.38 471.58	233.23 318.80				
1st dtr. 346.55 346.55 3-6 346.55 346.55 3-46.55 356.65 259.66 3 259.66 3 259.66 3	1982 average	224.51	215.75		225.86	224.51	215.75	225.86				
1972 107.12 106.10 107.22 106.66 106.10 106.72 124.00 124.00 1973 181.54 228.47 173.34 178.83 225.89 177.12 231.52 238.47 213.40 1976 21.78 124.11 206.46 202.12 201.62 202.26 202.26 203.47 214.40 1976 211.78 124.11 211.19 208.53 206.47 208.93 240.77 244.77 234.4 1976 211.78 229.13 226.92 240.68 238.75 228.82 240.18 240.77 244.57 243.5 1978 249.59 257.28 249.02 259.01 261.09 249.11 246.00 239.70 247.5 1978 249.59 257.28 249.02 259.01 261.09 249.11 246.00 239.70 247.5 1978 249.59 257.28 249.02 259.01 261.09 249.11 246.00 239.70 247.5 1979 376.50 376.50 376.50 376.10 376.	2d qtr. 3d qtr.	243.55	137.46		259.64	243.55	137.46	259.64				
1972	1983 average											
1973   181.54   228.47     173.34   178.83   225.89   172.12   231.52   238.47     221.41   197.47   202.23     224.47   197.5   186.74   192.74     185.46   187.93   181.10   189.82   185.39   244.61     180.91   197.6   211.78   214.11     211.19   205.53   206.47   208.93   240.77   244.77     238.67   238.13   226.92     240.68   238.75   228.82   240.18   241.33   177.52     243.53   240.77   244.77     238.67   248.82   240.18   241.33   177.52     243.53   240.77   243.75   243.53   240.77   243.75   243.53						TO SOUTH	KOREA					
1st qtr. 315.76 398.43 308.68 317.06 393.11 309.68 307.05 640.00 302.91 314.17 314.15 323.56 313.27 325.30 437.30 316.64 283.04 225.29 301.37 314.17 275.17 296.39 272.17 277.60 290.99 275.51 261.39 364.07 254.66 1982 average 299.98 329.71 296.33 302.81 341.26 298.14 281.94 260.32 284.76 1983 154 qtr. 269.84 330.54 267.15 270.36 337.14 267.26 265.85 250.01 266.31 264 qtr. 284.75 278.24 285.85 284.80 276.99 286.22 284.04 357.48 281.64 qtr. 317.84 274.32 319.08 313.41 241.77 314.13 354.58 290.00 362.13 1983 average  ***TOMAINLAND CHINA**  ***TOMAINLA	1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	181.54 205.03 186.74 211.78 239.13 249.59 326.82 374.50	228.47 201.12 192.74 214.11 226.92 257.28 343.23 348.93	      	173.34 206.43 185.46 211.19 240.68 249.02 325.33 376.18	178.83 202.12 187.93 208.53 238.75 250.01 324.79 378.74	225.89 201.62 181.10 206.47 228.82 261.09 341.93 343.39	172.12 202.26 189.82 208.93 240.18 249.11 323.26 380.92	231.52 217.47 185.39 240.77 241.53 246.40 352.05 349.17	238.47 200.23 214.61 244.77 177.52 239.70 357.61 372.50		124.00 221.40 234.41 180.98 238.54 243.54 247.34 351.48 347.09 288.76
1983 1st qtr. 269.84 330.54 267.15 270.36 337.14 267.26 265.85 250.01 266.31 2d qtr. 284.75 278.24 285.85 284.80 276.99 286.22 284.04 357.48 281.66 317.84 274.32 319.08 313.41 241.77 314.13 354.58 290.00 362.11 4th qtr.  1983 average  TO MAINLAND CHINA  1980 471.98 490.48 399.69 492.85 523.52 406.96 451.70 462.77 386.91 1981 401.39 427.68 344.94 396.06 426.47 339.51 420.18 431.15 377.57 1982 1982 1982 362.11 1982 1982 1982 1982 1982 1982 1982 19	1st qtr. 2d qtr. 3d qtr.	314.45 303.22	323.56 333.84		313.27 299.27	325.30 303.58	437.30 333.84	316.64 299.57	283.04 290.0D	225.29		302.92 301.33 290.00 254.68
1st qtr. 269.84 330.54 267.15 270.36 337.14 267.26 255.85 250.01 266.31 2d qtr. 284.75 278.24 285.85 284.80 276.99 286.22 284.04 357.48 281.66 31 4th qtr. 317.84 274.32 319.08 313.41 241.77 314.13 354.58 290.00 362.13 4th qtr. 1983 average  TO MAINLAND CHINA  1980 471.98 490.48 399.69 492.85 523.52 406.96 451.70 462.77 386.91 1982 1982- 1982 1982-	1982 average	299.98	329.71		296.33	302.81	341.26	298.14	281.94	260.32		284.74
TO MAINLAND CHINA  1980	2d qtr. 3d qtr.	284.75	278.24		285.85	284.80	276.99	286.22	284.04	357.48		266.31 281.60 362.13
1980	1983 average											
1981						TO MAINLAN	D CHINA					
1st qtr.       395.35       438.14        306.46       398.39       444.16       310.44       386.03       421.46        291.14         2d qtr.       415.79       429.65        368.81       416.39       428.99       386.51       414.97       430.38        316.03         3d qtr.       367.30       388.40        325.91       364.53       393.95       315.94       373.29       378.44        358.02         4th qtr.       359.23       364.90        337.89       356.35       363.07       337.89       369.82       369.82           1982 average       388.44       406.87        338.18       385.27       406.20       340.64       394.97       407.99        328.31         1983       1st qtr.       299.10       303.46        278.91       296.98       301.41       278.91       318.50       318.50           2d qtr.       304.65       313.54        279.48       303.18       315.87       279.48       309.02         340.02       340.02       358.09       367.71	1980 1981											386.95 377.57
1983 1st qtr. 299.10 303.46 278.91 296.98 301.41 278.91 318.50 318.50 2d qtr. 304.65 313.54 279.48 303.18 315.87 279.48 309.02 309.02 3d qtr. 320.99 337.73 289.32 309.37 323.92 288.64 358.09 367.71 296.02 4th qtr.	1st qtr. 2d qtr. 3d qtr.	415.79 367.30	429.65 388.40		368.81 325.91	416.39 364.53	428.99 393.95	386.51 315.94	414.97 373.29	430.38 378.44		291.14 316.03 358.02
1st qtr. 299.10 303.46 278.91 296.98 301.41 278.91 318.50 318.50 24 qtr. 304.65 313.54 279.48 303.18 315.87 279.48 309.02 309.02 34 qtr. 320.99 337.73 289.32 309.37 323.92 288.64 358.09 367.71 296.02 4th qtr.		388.44	406.87		338.18	385.27	406.20	340.64	394.97	407.99		328.31
1000	2d qtr. 3d qtr.	304.65	313.54		279.48	303.18	315.87	279.48	309.D2	309.02		296.02
1983 average	1983 average											_

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 15--Softwood log exports from northern California ports, by species and destination,  $1972\text{-}83^{1}$ 

(In thousand board feet, Scribner scale)

YEAR AND QUARTER	TUTAL	OOUGLAS-FIR	PORT-ORFORO- CEOAR	OTHER SOFTWOOD
		TO ALL COUNTRIES		
1972	77,459	18,337	3,418	55,70
1973	104,733	34,454	4,065	66,21
1974	77,735	35,146	8,823	33,76
1975	86,943	52,547	2,483	31,91
1976 1977	109,812 70,902	73,924 38,302	2,508 2,331	33,38 30,26
1978	72,650	49,024	2,880	20,74
1979	65,492	37,551	1,611	26,33
1980	31,672	7,287	653	23,73
1981	25,586	5,890	1,381	18,31
1982 1st quarter	4,992	2,066		2,92
2d quarter	1,224	43		1,18
3d quarter	3,875	2,058		1,81
4th quarter	9,416	8,442	6	96
1982 total	19,507	12,609	6	6,89
1983				
1st quarter	9,263	2,675	300	6,28
2d quarter	4,414	951 2		3,46
3d quarter 4th quarter	8,401	2		8,39
1983 total				
		TO JAPAN		
1972	68,830	15,914	3,418	49,49
1973	94,520	29,261	4,005	61,19
1974	69,271	32,485	8,823	27,96
1975	78,813	48,188	2,483	28,14
1976 1977	96,485	69,395 37,765	2,853 2,331	24,23
1977 1978	57,815 58,760	37,765 48,653	1,757	17,71 8,35
1979	57,938	37,411	1,611	18,91
1980	27,180	7,055	653	19,47
1981	20,708	1,024	1,381	18,30
1982 1st quarter	3,526	600		2,92
2d quarter	3,520			2,926
3d quarter	3,854	2,055		1,79
4th quarter	1,576	615	6	95
1982 total	9,022	3,270	ΰ	5,74
.983				
1st quarter	9,261	2,675	300	6,28
2d quarter	4,414	951		3,463
3d quarter 4th quarter	3,899			3,89
1983 total		B-00-79-79-79-79-79-79-79-79-79-79-79-79-79-		
		TO NAINLANO CHINA		
.982	1 400	1 46:		
1st quarter 2d quarter	1,466	1,466		
3d quarter				
4th quarter	7,826	7,816		10
1982 total	9,292	9,282		10
.983	2			2
1st quarter 2d quarter				
3d quarter	49500			4,500
4th quarter				

 $<sup>{\</sup>tt Source--U.S.}$  Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

lNorthern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Table 16--Softwood log exports by State and port, Washington, Oregon, and northern California, 1972-83 (In million board feet, Scribner scale)

YEAR ANO QUARTER	ABERDEEN	ANA CORT BELLING		RETT	LONGVIEW	OLYMPIA	PORT ANGELES	TACOMA	NORTHEASTERN WASHINGTON	OTHER	TOTAL
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	525.1 491.5 396.2 366.8 502.1 402.1 512.2 648.7 498.2 414.3	100.9 84.5 49.2 32.2 30.5 42.1 41.1 50.9 38.0 16.7	25 21 23 27 23 32 32 33	8.9 0.4 7.7 0.0 7.2 7.7 1.8 2.8 7.3 8.4	221.3 328.7 300.2 261.3 397.4 328.2 325.8 366.1 387.0 215.9	144.6 86.9 61.5 48.6 7.5 68.7 87.1 101.0 80.2 47.3	285.6 306.0 273.5 284.7 324.5 304.6 387.2 505.0 295.1 168.0	517.4 511.1 383.0 469.2 623.7 607.6 559.7 601.7 497.1 446.2	0.2	45.8 54.6 48.4 32.9 28.5 12.0 7.0 9.9 3.1 14.9	2,109.8 2,113.7 1,729.7 1,725.7 2,191.4 2,003.0 2,241.0 2,616.1 2,086.1 1531.8
1st quarter 2d quarter 3d quarter 4th quarter	124.8 146.6 151.7 129.2	2.3 5.0 3.7 0	5	2.0 5.6 4.4 7.3	92.3 106.8 95.1 80.3	18.2 19.8 14.4 10.2	31.2 34.6 51.2 35.6	137.3 86.1 128.3 142.4	0	9.9 .4 3.2 .4	498.0 455.9 542.0 475.4
1982 total	552.3	11.0	31	0.3	374.5	62.6	152.6	494.1		13.9	1,971.3
1983 1st quarter 2d quarter 3d quarter 4th quarter	154.0 151.5 200.8	.2	6	1.0 5.4 4.7	67.8 85.4 83.3	12.3 12.4 10.3	47.0 46.9 55.3	126.4 135.6 152.8	R O R	.2	468.9 497.4 598.2
1983 total											
		STA	TE OF OREG	ON1				NORTHERN CA	ALIFORNIA <sup>2</sup>		
YEAR ANO QUARTER	ASTORIA	COOS BAY	PORTLANO	OTHER	TOTAL	EUREK	A SACRA	MENTO ST	OCKTON OTHER	TOTAL	
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	262.6 147.1 159.0 245.7 273.3 210.2 168.4 150.1 134.7 73.3	121.0 155.5 128.1 134.1 144.6 120.1 145.1 128.2 135.2 113.8	115.5 159.8 139.8 137.5 99.5 207.0 277.0 322.0 275.8 268.2	9.4 21.3 24.8 44.5 28.0 15.4 15.0 17.2 0	508.5 483.7 451.7 561.8 545.4 552.7 605.5 617.5 545.7 455.3	51.9 79.6 67.5 66.6 83.7 39.2 46.1 43.0 14.9	16 9 19 26 25 18	.8 .2 .8 .9 .1 .5 .4 .0	19.4 0.9 8.7 .2 3.8 .2 0 1.4 0 0 6.3 8.2 0 16.5 .5 12.3 0 5.6	75.0 140.7 81.3 87.9 109.8 71.0 72.7 65.6 31.6 25.5	
1982 1st quarter 2d quarter 3d quarter 4th quarter	24.3 15.0 23.8 30.2	34.6 62.3 50.6 43.6	80.5 74.9 88.3 65.8	0 2.3 0	139.4 154.5 162.7 139.6	2.9 1.1 2.6 9.4	C	ı	0 0 0 0 1.2 0	3.6 1.1 3.9 9.4	
1982 total	93.3	191.1	309.5	2.3	596.2	16.0		.7	0 1.2	17.9	
1983 1st quarter 2d quarter 3d quarter 4th quarter	17.1 15.4 17.2	38.6 31.5 37.8	52.9 65.6 108.0	0 0 1.1	108.6 112.5 164.1	3.0 4.4 5.8	C	.6	0 0  0	9.3 4.4 8.4	
1983 total											

STATE OF WASHINGTON1

Source--U.S. Oepartment of Commerce. Data are compiled from Oepartment of Commerce records at the end of each quarter.

1State totals as presented here for Washington and Oregon do not agree with those found in table 12 because customs districts as used in table 12 do not correspond to State boundaries.

<sup>2</sup>Northern California consists of the San Francisco Customs Oistrict and includes Monterey, California, and all ports north of Monterey. R = revised.

Table 17--Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1972-83 (In dollars per thousand board feet, Scribner scale)

					STATE OF WA	SHINGTON1				
YEAR ANO QUARTER	ABEROEEN	ANACORTES, BELLINGHAM	EVERETT	LONGVIEW	OLYMPIA	PORT ANGELES	TACOMA	NORTHEASTERN WASHINGTON	OTHER	AVERAGE
1972	134.28	128.21	129.47	144.82	146.76	129.52	131.82	146.73	123.50	133.86
1973	264.23	211.35	258.69	288.82	284.15	215.32	262.90	0,	229.45	257.80
1974	266.16	261.07	257.85	292.13	282.38	246.79	274.24		262.10	268.58
1975	256.17	297.84	273.29	280.90	273.90	253.46	266.63		279.01	266.30
1976	269.90	293.96	287.08	302.53	302.53	261.25	277.21	0	252.97	277.26
1977	311.97	296.28	309.32	336.01	331.68	294.59	327.76		263.80	317.86
1978	332.92	295.77	334.87	379.57	347.93	319.97	340.91		344.67	339.68
1979	452.52	376.18	455.44	518.19	499.12	424.46	428.19		492.38	451.64
1980	490.53	414.44	473.47	506.59	510.63	472.08	523.11	280.95	538.84	495.76
1981	394.52	461.88	412.74	462.85	447.21	396.82	473.08	307.74	3.06	428.32
1982										
1st quarter	380.65	426.87	400.05	468.48	344.77	330.56	494.55		361.85	426.93
2d quarter	384.93	345.24	393.68	431.73	392.29	393.59	444.10		516.93	408.80
3d quarter	345.40	382.35	365.02	381.49	335.77	345.14	410.92		365.36	370.75
4th quarter	305.42		314.24	394.39	349.98	385.10	373.17	0	542.07	349.31
1982 average	354.51	374.42	366.86	420.02	358.61	362.47	429.08		372.14	388.57
1983										
1st quarter	303.16	333.33	330.21	356.07	409.69	352.28	329.46	371.54R	371.31	329.36
2d guarter	312.44		334.46	356.59	457.21	325.38	354.57	0 R	876.79	339.46
3d quarter	316.65	497.76	352.59	355.10	405.86	324.84	340.57	590.21	416.59	336.40
4th guarter	010.03		002.03	000.10	.00.00	02.007	0.3.37	0,0161	. 10.00	3301 70
Total qual oct										

-1	a	83	2	11	۵	200	a	0	

		STA	TE OF OREGON <sup>1</sup>		NORTHERN CALIFORNIA <sup>2</sup>					
YEAR ANO QUARTER	ASTORIA	COOS BAY	PORTLANO	OTHER	AVERAGE	EUREKA	SACRAMENTO	STOCKTON	OTHER	AVERAGE
1972	127.03	194.93	144.27	140.31	147.35	129.24	189.29	179.64	129.17	144.52
1973	321.16	348.95	289.64	257.16	316.88	219.99	226.77	296.78	363.54	227.72
1974	300.21	363.95	302.18	291.33	318.41	295.56	317.05	328.16	252.62	299.55
1975	236.89	349.97	316.25	271.48	286.03	256.07	368.11	0	452.10	284.62
1976	267.63	372.46	337.44	253.76	307.45	292.15	367.73	0		312.31
1977	338.29	409.01	328.22	318.00	349.32	333.34	337.06	0	338.45	335.14
.978	325.32	512.44	366.77	330.78	389.23	353.99	362.18		372.07	358.09
.979	461.34	592.98	455.51	381.59	483.38	336.29	393.19	0	447.84	369.65
980	452.99	604.08	488.22	0	508.23	462.98	485.28	379.65	535.17	492.37
981	340.14	635.05	448.55	0	477.76	537.93	492.22	0	422.02	488.61
982										
1st quarter	374.36	662.94	428.37		477.27	254.98	279.64	0		269.51
2d quarter	356.55	495.97	395.56	420.00	432.61	382.60		0		384-06
3d quarter	320.14	444.68	424.05		415.29	309.34		0	429.34	346.75
4th quarter	273.91	445.04	361.47		368.63	361.07		0		363.40
1982 average	325.14	501.04	404.96	420.00	423.35	334.72	279.64	0	469.52	342.13
1983										
1st quarter	296.53	434.13	357.26	0	375.04	424.42	378.55	0	0	396.64
2d quarter	280.88	392.41	358.59	0	357.45	251.83	0	0		254.78
3d quarter 4th quarter	321.86	427.56	375.45	320.00	384.45	305.82	424.66	0	553.00	342.70

1983 average

Source--U.S. Oppartment of Commerce. Oata are compiled from Oppartment of Commerce records at the end of each quarter.

 $^1$ State averages as presented here for Washington and Oregon do not agree with those found in table 14 because customs districts as used in table 14 do not correspond to State boundaries.

 ${\tt 2Northern~California~consists~of~the~San~Francisco~Customs~Oistrict~and~includes~Monterey,~California,~and~all~ports~north~of~Monterey.}$ 

R = revised.

Table 18--Volume and average value of softwood log exports from Alaska ports by destination, 1972--83

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

YEAR ANO QUARTER	VOL UME	AVERAGE VALUE
	TO ALL COUNTRIES	
1972	65,837	125.88
1973	71,719	248.23
1974	34,949	240.82
1975	29,011	307.97
1976	26,197	224.59
1977 1978	52,377 68,025	263.54 320.45
1979	128,597	470.97
1980	160,523	532.56
1981	149,187	480.54
1982		
1st quarter	13,052	510.48
2d quarter	51,503 83,964	491.59 488.14
3d quarter 4th quarter	92,604	457.95
1982 total and	22,007	
average value	241,123	478.49
1983 1st quarter	33,522	404.75
2d quarter	63,788	440.78
3d quarter	102,655	430.70
4th quarter		
1983 total and average value		
	TO JAPAN	
1972	61,882	129.99
1973	71,705	248.24
1974	29,088	252.71
1975	24,311	352.29
1976	20,741	253.18
1977 1978	46,897 57,653	278.99 343.49
1979	57,653 120,753	475.21
1980	156,275	533.22
1981	141,209	491.44
1982		
1st quarter	12,145	527.07
2d quarter	47,688	498.07
3d quarter 4th quarter	74,304 85,563	494.01 468.33
1982 total and	30,000	
average value	219,700	486.71
1983 1st quarter	28,469	421.84
2d quarter	56,182	462.00
3d quarter 4th quarter	79,058	463.03
1983 total and average value		
	TO MAINLAND CHINA	
1981	3,205	377.57
1982 1st quarter	0	
2d quarter	0	
3d quarter	0	
4th quarter	0	
1982 total and average value	0	ad do
1983	0	
1st quarter 2d quarter	0	
3d quarter	7,275	293.94
4th quarter	,,	220121
1983 total and average value		

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 19--Volume and value of hardwood log exports from ports of Washington, Oregon, Alaska, and northern California, 1972-83

(Volume in thousand board feet, 5cribner scale; value in dollars)

YEAR AND QUARTER		SHINGTON MS OISTRICT		REGON S OISTRICT		LASKA 15 OISTRICT		RANCISCO 5 OISTRICT
	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
			TO	ALL COUNTR	IES			
1972 1973 1974 1975 1976 1977 1978 1979 1980	2,999 1,812 633 1,599 3,750 2,735 2,362 2,597 6,826 3,416	882,806 1,351,759 1,121,192 637,455 1,646,972 2,117,386 2,190,449 2,216,256 5,153,711 3,173,191	68 36 45 73 236 189 75 341 2,026 439	133,979 57,747 95,342 103,519 136,188 87,839 91,486 420,741 764,511 470,373	0 0 0 0 0 0 11 138 186 0	19,250 253,716 44,960	1,320 1,084 560 3,911 659 1,396 1,772 1,272 900 683	2,015,855 2,330,761 1,515,476 780,853 1,239,777 2,751,996 4,088,466 3,049,981 2,260,961 1,422,547
1982 1st quarter 2d quarter 3d quarter 4th quarter	757 1,276 1,098 657	570,264 975,968 596,836 751,733	75 12 236 12	84,642 34,519 56,494 41,808	0 0 0		133 371 88 31	287,243 849,259 193,891 33,834
1982 total	3,788	2,894,801	335	217,463	0		623	1,364,22
1983 1st quarter 2d quarter 3d quarter 4th quarter	1,926 719 477	1,000,110 486,610 422,808	34 7 222	60,676 9,100 73,327	0 0 0	  	32 20 166	73,503 16,787 126,392
1983 total								
				TO JAPAN				
1972 1973 1974 1975 1976 1977 1978 1979 1980	1,374 993 540 1,210 3,313 1,444 1,178 1,824 4,786 2,037	727,475 1,164,704 1,063,245 562,583 1,416,317 1,179,616 819,332 1,153,644 1,969,245 2,162,473	64 34 37 14 235 17 57 300 1,964 229	130,080 56,842 84,293 9,039 134,988 33,347 84,025 359,119 726,891 264,161	0 0 0 0 0 0 0 0 74 182	188,389 42,200	1,126 1,015 485 3,803 456 1,063 1,248 1,059 579 310	1,761,797 2,250,213 1,093,502 636,796 1,005,649 2,300,667 3,0559,604 2,339,089 1,532,496 742,998
1982 1st quarter 2d quarter 3d quarter 4th quarter	225 350 482 408	170,982 515,986 124,445 400,666	7 12 13 3	11,107 34,519 12,070 6,808	0 0 0		89 275 48 5	193,489 615,675 94,040 8,788
1982 total	1,465	1,212,079	35	64,504	0		417	911,992
1983 1st quarter 2d quarter 3d quarter 4th quarter	529 174 296	495,749 176,659 153,970	22 7 100	22,516 9,100 25,000	0 0 0	  	32 20 9	73,503 16,787 8,960
1983 total								
			TO	MAINLAND CH	IINA			
1980 1981	6 0	2,800	0		0		0	
1982 1st quarter 2d quarter 3d quarter 4th quarter	45 0 0	45,000	0 0 0		0 0 0		0 0 0	
1982 total	45	45,000	0		0		0	
1983 1st quarter 2d quarter 3d quarter 4th quarter	OR O O	R 	0 0 100	22,500	0 0 0		0 0 0	
1983 total					-			

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter. Washington Customs District includes all coastal and inland ports in the 5tate of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Alaska Customs District is the State of Alaska. 5an Francisco Customs District includes Monterey and all ports north of Monterey, California.

R = revised.

Table 20--Log exports from southern California ports, by species, 1972-83

(In thousand board feet, Scribner scale)

YEAR AND QUARTER	TOTAL	DOUGLAS- FIR	OTHER SUFTWOODS	HARDWOODS
 1972	631	203	92	336
1973	445	214	5	226
1974	378	32	130	216
1975	288	11	224	53
1976	2,396	1,411	670	315
1977	1,360	169	411	780
1978	1,721	172	917	632
1979	2,117	290	359	1,468
.980	1,149	295	610	244
.981 .982	738	88	136	464
1st quarter	209	3	27	179
2d quarter	103	4	28	71
3d quarter	56	0	42	14
4th quarter	429	274	114	41
1982 total	797	281	211	305
.983				
1st quarter	20	U	0	20
2d quarter	93	0	22	71
3d quarter 4th quarter	330	0	0	330

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions which may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 21--Volume and average value of softwood log exports to Canada from the Montana Customs District,  $1972-83\frac{1}{2}$ /

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

	ALL :	SPECIES	DOUGLA	S-FIR	OTHER S	OFTWOODS
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE	VOLUNE	VALUE
1972	392	113.71	19	162.89	373	111.20
1973	379	177.58	93	261.16	236	150.40
1974	925	178.24	19	149.05	906	178.86
1975	739	226.93	72	274.78	667	221.76
1976	571	228.43	103	254.08	468	222.78
1977	1,227	247.66	467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0		3,906	168.47
1980	699	239.88	36	303.53	663	236.42
. 981	477	362.68	123	475.06	354	323.64
1982						
1st quarter	142	273.20	16	203.81	126	282.01
2d quarter	64	349.36	U		64	349.36
3d quarter	58	340.50	O		58	340.50
4th quarter	154	250.44	0		154	250.44
1982 total and average value	418	285.81	16	203.81	402	289.07
1983						
1st quarter	63	310.65	0		63	310.65R
2d quarter	317	254.09	0		317	254.09
3d quarter	111	284.59	11	460.64	100	265.23
4th quarter	111	201103	11	400.04	100	203.23
1983 total and average value						

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

1 Montana Customs District includes all ports in Montana and Idaho.

R = revised.

Table 22--Log exports from British Columbia ports, by species and destination,  $1972-83\frac{1}{2}$  (In thousand board feet, British Columbia log scale)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS- FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO ALL	COUNTRIES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	55,866 35,716 148,801 85,082 116,193 186,511 128,853 169,107 231,784 184,481	836 1,852 11,790 2,406 5,390 10,085 8,592 2,431 8,907 856	13,956 9,750 31,528 18,914 39,069 118,085 24,467 56,504 106,193 98,579	18,477 7,441 67,843 19,373 21,901 36,048 45,143 56,954 49,590 24,616	14,958 13,647 27,355 41,416 41,959 19,835 49,767 43,201 36,756 37,774	3,965 1,211 4,973 1,505 3,346 754 530 4,135 12,155 18,943	3,674 1,815 5,312 2,188 4,528 1,704 354 5,882 18,183 3,713
1st quarter 2d quarter 3d quarter 4th quarter	51,064 48,932 72,310 80,586	169 5,360 17,262 25,401	24,488 13,416 17,169 20,658	11,263 8,730 9,655 8,357	9,972 9,928 9,830 10,716	5,168 9,742 12,973 9,204	4 1,756 5,421 6,250
1982 total	252,892	48,192	75,731	38,005	40,446	37,087	13,431
1983 1st quarter 2d quarter 3d quarter 4th quarter	135,976 107,628 113,857	44,710 30,266 16,712	41,072 27,731 53,585	4,176 3,065 3,550	17,097 12,059 15,890	17,360 7,811 14,808	11,021 26,696 9,312
1983 total							
			ТО	JAPAN			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	46,059 29,239 80,655 61,728 67,192 109,301 90,001 120,297 154,824 131,321	567 1,293 2,167 1,460 792 5,106 4,094 1,894 1,692 698	13,478 8,053 22,968 10,477 17,026 65,092 16,890 49,281 61,500 71,645	13,412 6,205 31,915 7,696 7,343 23,413 24,038 27,597 35,346 17,427	14,938 13,284 16,503 39,470 39,905 15,489 44,814 35,883 36,157 31,541	3,664 399 2,304 1,253 470 201 99 3,636 6,939 10,010	0 0 4,798 1,372 1,656 0 66 2,056 13,190 0
1982 1st quarter 2d quarter 3d quarter 4th quarter	41,921 14,779 41,823 31,934	163 84 6,187 1,771	18,649 4,177 12,879 15,898	11,263 3,286 5,257 3,653	9,530 4,211 8,461 7,604	2,316 3,021 8,413 3,008	0 0 626 0
1982 total	130,457	8,205	51,603	23,459	29,806	16,758	626
1983 1st quarter 2d quarter 3d quarter 4th quarter	72,481 40,003 57,843	15,996 10,139 10,011	35,674 10,968 29,757	4,346 3,062 3,275	11,558 9,547 10,718	4,907 6,258 4,082	0 29 0
1983 total							

Table 22--Log exports from British Columbia ports, by species and destination,  $1972-83\frac{1}{2}$  (continued) (In thousand board feet, British Columbia log scale)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS- FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOF TWOODS	HARDWOODS
			TO UNI	TED STATES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	9,807 6,471 68,146 23,354 48,911 74,442 32,843 48,810 76,955 50,324	269 559 9,623 946 4,598 4,979 4,498 537 7,215 158	478 1,692 8,560 7,717 22,043 50,817 6,039 7,223 44,693 26,934	5,065 1,236 35,928 11,677 14,558 12,043 19,144 29,357 14,244 7,189	20 363 10,852 1,946 1,964 4,346 2,443 7,368 594 4,340	301 812 2,669 252 2,876 553 431 499 5,216 8,879	3,674 1,809 514 816 2,872 1,704 288 3,826 4,993 2,824
1st quarter 2d quarter 3d quarter 4th quarter	18,413 15,114	6 40 45 1,433	5,839 6,732 5,910 4,760	0 3,619 2,960 4,126	442 775 1,369 3,109	2,852 6,436 4,560 6,196	4 811 270 1,606
1982 total	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983 1st quarter 2d quarter 3d quarter 4th quarter	23,402 42,673	2,790 1,441 2,672	5,398 16,763 23,828	370 0 275	2,443 2,512 5,172	7,562 1,553 10,726	1,808 1,133 0
1983 total							
•	11111111111		IIAM OT	ILAND CHINA			
1982 1st quarter 2d quarter 3d quarter 4th quarter	9,023 11,030	0 5,226 11,030 22,197	0 0 0	0 0 0	0 3,787 0 0	0 0 0 0	0 0 4,472 4,439
1982 total	46,689	38,463	0	0	3,787	0	8,911
1983 1st quarter 2d quarter 3d quarter 4th quarter	44,220 4,029	25,924 18,686 4,029	0 0 0	0 0 0	3,096 0 0	4,891 0 0	9,213 25,534 0
1983 total							

Source--Bureau of Economics and Statistics, Department of Industrial Development, Trade, and Commerce, Victoria, B.C., "Preliminary Statement of External Trade."

 $<sup>^{1}\</sup>mathrm{Figures}$  do not include shipments of pulpwood logs.

Table 23--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

YEAR AND QUARTER	VOLUME	AVERAGE VALUE
1972	8,451	80.44
1973	2,102	124.71
1974	31,625	248.69
1975	55,494	207.13
1976	44,438	122.62
1977	91,962	194.93
1978	41,307	271.29
1979	75,855	298.89
1980	51,828	233.08
1981 1982	33,985	319.77
1982 1st quarter	9,145	314.18
2d quarter	12,099	340.07
3d quarter	13,146	304.62
4th quarter	25,102	304.55
1982 total and average value	59,492	313.27
1983 1st quarter 2d quarter 3d quarter 4th quarter	27,366 9,803 21,593	255.60 161.82 214.60
1983 total and average value	1.	
3		

Source--U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

Table 24--Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1972-83

	CHIPPED P	PULPWOOD	ROUNDWOOL	PULPWOOD
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE
	Short tons	Dollars	Cords	Dollars
1972 1973 1974	909,926 1,085,124	9.87 11.19 15.55	2,300 16	47.56 97.06
1974 1975 1976	623,830 493,761 877,550	23.36 20.98	31,998 11,517 1,967	60.08 42.90 32.14
1977 1978 1979	1,056,102 1,215,483	18.59 16.37	16,674 0 0	91.19
1979 1980 1981 1982	1,039,458 1,185,701 1,160,507	17.19 26.77 32.33	57,337 23,084	66.64 130.11
1st quarter 2d quarter 3d quarter 4th quarter	350,630 357,400 275,629 264,154	33.44 35.98 29.92 27.57	0 7,659 661 0	118.52 379.31
1982 total and				
average value	1,247,813	32.15	8,320	139.24
1983 1st quarter 2d quarter 3d quarter 4th quarter	337,359 371,580 394,400	26.69 23.22 23.96	0 0 0	  
1983 total and average value				

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 25--Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1972-83

(In short tons, ovendried basis; average value in dollars per short ton)

	WASHIN CUSTOMS D		OREGO CUSTOMS DI		SAN FRA CUSTOMS	NCISCO DISTRICT	ALA CUSTOMS	
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
1972	168,725	19.56	2,081,032	22.12	253,401	27.76	20,158	25.76
1973	272,196	21.84	2,778,829	24.85	369,403	24.41	0	
1974	390,370	28.62	3,177,465	26.50	242,017	30.69	34,828	28.99
1975	326,083	38.56	2,436,807	34.74	257,735	28.96	32,399	48.51
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
.977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
.978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
.979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982	02 062	00 46	502 602	02 20	E7 E70	05 60	0	
1st quarter	83,962	88.46	502,602	83.30	57,573	85.69 76.73	0	E6 E2
2d quarter 3d quarter	64,361 74,513	75.43 83.00	475,798 500,303	83.38 84.57	71,127	76.73 88.67	27,430 32,404	56.53 77.99
4th quarter	105,538	71.67	435,736	81.80	25,212 42,380	88.18	14,330	77.99
4th quarter	105,556	/1.0/	435,730	01.00	42,300	00.10	14,550	/ 2 • 4 4
1982 total and								
average value	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983								
1st quarter	69,722	75.40	400,690	70.19	57,310	67.87	6,645	34.67
2d quarter	64,243	74.74	441,218	70.65	116,439	67.39	0	
3d quarter 4th quarter	77,917	74.34	438,092	66.44	83,760	64.63	0	

1983 total and average value

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Washington Customs District includes all ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Alaska Customs District is the State of Alaska.

Table 26--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1972-831/

		FROM	BOTH STATES	S	FROM	WASHINGTON	CUSTOMS 0	1STRICT	FR	OM OREGON CU	STOMS 01STR	1CT
YEAR ANO QUARTER	TOTAL	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT - WOOOS	TOTAL	OOUGLAS- F1R	WESTERN HEMLOCK	OTHER SOFT- WOOOS
					TO A	LL COUNTRIE	S					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	406,493 799,631 719,729 616,883 698,941 549,059 585,588 839,895 984,882 933,739	321,761 532,321 496,978 415,152 478,100 372,609 374,032 427,063 449,123 451,075	30,772 169,927 124,047 125,529 145,645 125,479 135,156 280,067 338,487 268,024	53,960 97,383 98,704 76,202 75,196 50,971 76,400 132,765 197,272 214,640	164,472 324,740 331,818 263,754 311,599 256,703 310,100 413,673 521,728 467,886	99,927 143,666 174,056 151,681 155,041 123,783 128,895 98,685 106,671 139,070	21,994 104,851 79,399 52,064 94,581 92,364 118,094 211,030 270,706 173,000	42,551 76,223 78,363 60,009 61,977 40,556 63,111 103,858 144,351 155,816	242,021 474,891 387,911 353,129 387,342 292,356 275,488 426,322 463,154 465,853	221,834 388,655 322,922 263,471 323,059 248,826 245,137 328,378 342,452 312,005	8,778 65,076 44,648 73,465 51,064 33,115 17,062 69,031 67,781 95,024	11,409 21,160 20,341 16,193 13,219 10,415 13,289 28,907 52,921 58,824
1st quarter 2d quarter 3d quarter 4th quarter	230,902 236,114 177,462 243,923	106,344 120,027 92,221 100,671	80,882 75,976 52,332 97,711	43,676 40,111 32,909 45,541	124,372 130,958 73,300 144,326	33,409 36,225 16,992 30,423	62,730 62,809 33,343 78,292	28,233 31,924 22,965 35,611	106,530 105,156 104,162 99,597	72,935 83,802 75,229 70,248	18,152 13,167 18,989 19,419	15,443 8,187 9,944 9,930
1982 total	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,504
1983 1st quarter 2d quarter 3d quarter 4th quarter	249,498 299,636 225,602	124,545 156,898 108,196	72,467 80,312 65,651	52,486 62,426 51,755	136,719 161,445 123,617	32,870 49,765 32,142	56,501 64,356 49,362	47,348 47,324 42,113	112,779 138,191 101,985	91,675 107,133 76,054	15,966 15,956 16,289	5,138 15,102 9,642
1983 total												
						TO JAPAN						
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1981	23,699 153,537 205,888 208,160 186,628 145,386 163,233 355,840 362,458 312,232	3,437 40,402 102,858 96,307 68,927 40,945 36,429 75,567 53,084 55,479	10,589 99,707 77,973 96,610 107,884 93,719 108,610 227,702 249,729 206,837	9,673 13,428 25,057 15,243 9,817 10,722 18,194 52,571 59,645 49,916	14,951 89,514 103,531 89,489 127,553 108,468 141,963 258,444 269,406 189,547	571 19,247 44,424 40,991 39,430 20,845 25,609 45,549 26,428 25,966	7,291 64,966 47,616 45,359 80,891 80,161 103,056 177,239 199,237 128,307	7,089 5,301 11,491 3,139 7,232 7,462 13,289 35,656 43,741 35,274	8,748 64,023 102,357 118,671 59,075 36,918 21,270 97,396 93,052 122,685	2,866 21,155 58,434 55,316 29,497 20,100 10,820 30,018 26,656 29,513	3,298 34,741 30,357 51,251 26,993 13,558 5,554 50,463 50,492 78,530	2,584 8,127 13,566 12,104 2,585 3,260 4,896 16,915 15,904 14,642
1st quarter 2d quarter 3d quarter 4th quarter	114,615 100,834 65,620 133,152	27,423 20,511 16,197 30,030	71,237 65,527 41,041 83,039	15,955 14,796 8,382 20,083	75,262 75,174 36,378 96,686	12,553 10,813 4,811 13,642	54,332 53,188 26,251 68,004	8,377 11,173 5,316 15,040	39,353 25,660 29,242 36,466	14,870 9,698 11,386 16,388	16,905 12,339 14,790 15,035	7,578 3,623 3,066 5,043
1982 total	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983 1st quarter 2d quarter 3d quarter 4th quarter	111,529 116,414 97,726	28,259 29,497 21,793	62,186 67,962 56,121	21,084 18,955 19,812	77,376 86,712 67,882	10,277 16,280 11,321	47,871 54,250 41,471	19,228 16,182 15,090	34,153 29,702 29,844	17,982 13,217 10,472	14,315 13,712 14,650	1,856 2,773 4,722

1983 total

Table 26--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1972-83\frac{1}{2}$ / (continued) (In thousand board feet)

		FROM	80TH STATE	S	FROM	WASHINGTON	CUSTOMS 0	ISTR1CT	FR	OM OREGON CU	STOMS OISTRI	CT
YEAR ANO QUARTER	TOTAL	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT - WOOOS	TOTAL	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT - WOOOS
						TO CANAOA						
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	70,297 88,695 126,547 113,213 101,633 76,251 117,969 113,977 159,658 213,594	42,581 49,381 67,856 61,099 50,327 45,842 69,852 38,917 54,876 91,861	8,687 9,340 5,952 4,299 6,737 3,695 9,241 18,870 26,325 20,598	19,029 29,974 52,739 47,815 44,569 26,714 38,676 56,190 78,457 101,135	70,297 88,695 124,097 112,783 101,633 76,251 117,930 113,977 159,658 213,594	42,581 49,381 65,406 61,099 50,327 45,842 69,813 38,917 54,876 91,861	8,687 9,340 5,952 3,869 6,737 3,695 9,241 18,870 26,325 20,598	19,029 29,974 52,739 47,815 44,569 26,714 38,876 56,190 78,457 101,135	0 0 2,763 OR 0 0 39 0	2,763 0 0 0 0 0 0 39 0 0	0 0 0 0 0 0 0 0	0 0 32 0 0 0 0
1st quarter 2d quarter 3d quarter 4th quarter	35,512 30,063 24,377 30,237	14,891 14,498 8,853 12,531	5,260 2,112 1,872 1,883	15,361 13,453 13,652 15,823	35,512 30,063 24,377 30,237	14,891 14,498 8,853 12,531	5,260 2,112 1,872 1,883	15,361 13,453 13,652 15,823	0 0 0	0 0 0	0 0 0	0 0 0
1982 total	120,189	50,773	11,127	58,289	120,189	50,773	11,127	58,289	0	0	0	0
1983 1st quarter 2d quarter 3d quarter 4th quarter	42,952 55,975 39,020	17,999 26,494 14,792	2,467 2,681 2,498	22,486 26,800 21,730	42,952 55,975 39,020	17,999 26,494 14,792	2,467 2,681 2,498	22,436 26,800 21,730	0 0 0	0 0 0	0 0 0	0 0
1983 total		·										
					то м	AINLANO CHI	NA .					
1981 1982	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	0
1st quarter 2d quarter 3d quarter 4th quarter	5 0 2,194 49	5 0 2,194 49	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	5 0 2,194 49	5 0 2,194 49	0 0 0	0 0 0
1982 total	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	0
1983 1st quarter 2d quarter 3d quarter 4th quarter	0 1,627 1,619	0 1,627 1,619	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 1,627 1,619	0 1,627 1,619	0 0 0	0 0
1983 total												

Source--U.S. Department of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

 $<sup>^{1}\</sup>mathrm{Includes}$  lumber classified as railroad crossties and not specified by species.

R = revised.

Table 27--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1972-83\frac{1}{2}$ / (In dollars per thousand board feet)

		FROM	80TH STATES		FROM	WASHINGTON	CUSTOMS 01	STRICT	FROI	4 OREGON CU	STOMS DISTR	I CT
YEAR AND QUARTER	ALL SPECIES	00UGLAS- F IR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	ALL SPECIES	00UGLAS- F1R	WESTERN HEMLOCK	OTHER SOFT- WOOOS	ALL SPECIES	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT - WOOOS
					TO A	LL COUNTRIE	S					
1972 1973	208.54 269.96	223.60 310.24	102.74 174.98	179.03 215.55	177.86 211.88	195.96 262.75	98.99 166.56	176.10 178.33	229.39 309.68	236.06 327.79	112.13 188.54	189.95 349.63
1974	283.80	310.19	211.88	241.28	242.67 220.36	267.93	205.45	224.26	318.98 295.09	332.98	223.32	306.82
.975 .976	263.14 318.61	283.95 350.52	20 <b>6.11</b> 220.15	243.68 306.38	260.23	228.52 280.33	191.93 217.02	224.40 275.88	365.57	315.86 384.21	216.16 225.95	315.10 449.34
977	340.02	371.97	240.66	350.99	278.19	291.17	242.18	320.55	394.31	412.17	236.43	469.55
.978	362.29	403.55	266.51	329.76	290.19	309.81	266.70	294.06	443.46	452.34	265.25	499.35
.979 .980	518.36 436.14	639.18 560.96	377.08 319.83	427.85 351.55	401.51 324.62	471.86 361.19	371.57 310.48	395.90 324.13	631.60 561.77	699.47 623.19	393.73 357.18	542.65 426.36
1981	387.06	436.65	342.81	338.11	332.62	360.84	322.81	318.31	441.75	470.44	379.24	390.55
1982 1st quarter	378.22	419.28	319.39	387.17	313.31	321.03	308.56	314.73	453.99	464.29	356.79	519.61
2d quarter	396.44	466.38	294.26	380.70	308.16	321.36	294.93	319.21	506.38	529.06	291.06	620.47
3d quarter	366.63	423.37	287.56	333.33	312.22	338.91	303.14	305.66	404.91	442.45	260.20	397.24
4th quarter -	327.75	382.27	268.88	333.52	375.66	248.48	270.22	310.86	402.22	440.21	263.52	414.79
1982 average	366.89	424.78	291.66	359.59	303.23	304.87	291.53	313.02	442.78	471.22	292.09	486.70
983 1st quarter	349.88	386.89	312.11	314.22	305.05	397.05	313.84	300.12	404.23	419.10	305.98	444.15
2d quarter	328.44	345.86	303.90	316.22	289.95	283.36	309.54	270.24	373.41	374.90	281.06	460.30
3d quarter 4th quarter	353.98	401.49	312.83	306.87	307.22	312.80	325.80	281.19	410.66	438.98	273.51	419.03
1983 average												
						TO JAPAN						
1972	146.85	183.16	108.34	176.11	146.56	178.24	103.02	188.79	147.35	184.14	120.11	141.32
1973 1974	204.26 221.96	198.89 228.74	191.64 210.08	314.19 231.13	194.09 217.74	186.88	190.83 206.72	260.23 229.73	218.49 226.23	209.81 230.47	193.15 215.35	349.39 232.32
1974	188.89	155.39	202.62	313.48	188.14	226.46 167.70	182.71	533.56	189.45	146.27	220.23	256.41
1976	220.76	204.96	218.97	315.40	223.82	232.17	209.63	337.05	214.14	168.59	246.94	391.56
1977 .978	243.68 299.96	249.38 393.04	240.35 266.25	250.06 314.88	246.50 293.87	266.64 396.05	240.37 263.56	256.19 332.17	235.40 340.64	231.45 385.92	240.28 316.02	239.31
1979	418.26	491.38	376.08	495.86	407.98	488.99	372.67	480.04	445.53	495.01	388.04	529.2
.980	353.02	391.89	332.12	405.92	346.43	391.76	326.23	411.03	372.09	392.01	355.34	391.8
.981 .982	357.26	436.99	321.23	417.97	357.88	428.98	322.83	433.00	356.32	444.04	318.60	381.7
1st quarter	336.07	380.63	312.98	362.50	310.10	325.15	301.45	343.65	385.72	427.53	350.02	383.3
2d quarter 3d quarter	334.49 281.26	322.38 246.83	343.56 250.90	311.11 496.45	286.35 258.45	304.56 194.53	282.24 235.77	288.27 428.28	475.53 309.64	342.25 268.93	607.88 277.75	381.55 614.66
4th quarter	289.73	289.68	270.20	370.57	279.43	252.27	365.88	365.37	317.04	320.83	289.74	386.08
1982 average	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.4
983	20.0	005 0	212.10	220 11	200	060.0	205 62	220. 25	200	004.01	271 70	207.0
1st quarter 2d quarter	309.30 297.69	285.24 279.61	313.18 304.03	330.11 303.07	300.64 297.66	268.24 262.05	295.68 307.48	330.32 300.56	328.91 297.77	294.94 301.25	371.70 290.39	327.9 317.7
3d quarter 4th quarter	308.88	317.40	309.86	296.72	310.67	289.44	323.22	292.13	304.78	347.63	272.03	311.40

1983 average

Table 27--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1972-83½/(continued) (In dollars per thousand board feet)

		FROM	80TH STATES		FROM	WASHINGTON	CUSTOMS 01	STRICT	FRO	M OREGON CU	STOMS OISTR	ICT
YEAR ANO QUARTER	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT - WOOOS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT - WOOOS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OT HE SOFT WOOD
					ī	O CANAOA						
1972	145.81	154.44	109,13	143.25	145.81	154.44	109,13	143.25				
973	182.24	192.12	120.04	185.34	182.24	192.12	120.04	185.34				
.974	205.78	223.84	196.55	183.58	202.89	219.18	196.55	183.40	312.23	312.23		300.
.975	189.59	200.09	199.95	175.20	189.59	200.09	199.95	175.20				
976	243.28	257.29	245.57	227.11	243.28	257.29	245.57	227.11				
977	237.20	205.68	272.32	286.43	237.20	205.68	272.32	286.43				
.978	186.31	152.21	240.99	234.59	186.20	151.99	240.99	234.59	536.67	536.67		
979	333.39	384.39	331.18	298.58	333.28	384.39	331.18	298.58				
980	263.66	285.72	252.59	251.96	263.66	285.72	252.59	251.96				
981	281.69	298.64	301.46	241.23	271.69	298.64	301.46	241.23				
982												
1st quarter	266.80	264.46	290.34	261.00	266.80	264.46	290.34	261.00				
2d quarter	295.12	322.23	344.18	258.16	295.12	322.23	344.48	258.16				
3d quarter	255.32	265.26	360.63	234.43	255.32	265.26	360.63	234.43				
4th quarter	234.81	214.63	321.75	241.58	234.81	214.63	321.75	241.58				
1982 avarage	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85				
1983												
1st quarter	263.27	278.36	325.74	244.33	263.27	278.36	325.74	244.33				
2d quarter	259.43	277.71	332.15	234.08	259.43	277.71	332.15	234.08				
3d quarter 4th quarter	259.42	281.40	350.39	233.99	259.42	281.40	350.39	233.99				
1983 average								-				
					TO MA	INLANO CHI	NA					
1981 1982	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30		
1st quarter	170.00	170.00							170.00	170.00		
2d quarter	170.00	170.00								170.00		
3d quarter	258.05	258.05							258.05	258.05		
4th quarter	195.63	195.63							195.63	195.63		
- quar ecr									150105			
1982 average	257.07	257.07							257.07	257.07		
.983												
1st quarter												
2d quarter	314.97	314.97							314.97	314.97		
3d quarter	299.97	299.97							299.97	299.97		
3u duarter												

Source--U.S. Oppartment of Commerce. Oata are compiled from Oppartment of Commerce records at the end of each quarter.

 $<sup>{</sup>f 1}$  Includes lumber classified as railroad crossties and not specified by species.

Table 28--Softwood lumber exports from northern California ports, by species and destination,  $1972\text{-}83^{\scriptsize \mbox{\scriptsize $1$}}$ 

(1n thousand board feet)

YEAR ANO QUARTER	TOTAL	DOUGLAS-FIR	WESTERN HEMLOCK	OTHER SOFTWOO
		TO ALL COUNTRIES		
1972 1973 1974 1975 1976	48,914 73,842 35,314 27,628 40,585	20,843 30,746 17,350 13,388 14,430	135 2,530 815 636 462	27,936 40,566 17,149 13,604 25,693
1977 1978 1979 1980 1981	44,438 32,919 30,832 34,603	18,951 12,931 10,539 10,531	1,137 684 1,498 3,777	24,350 19,304 18,795 20,295
1961 1982 1st quarter 2d quarter 3d quarter	47,315 10,323 13,228 13,922	7,841 2,497 4,446 2,738	12,037 1,607 1,750 1,220	27,437 6,219 7,032 9,964
4th quarter	15,244	4,174	2,959	8,111
1982 total	52,717	13,855	7,536	31,326
1st quarter 2d quarter 3d quarter 4th quarter	11,357 12,600 12,315	4,060 5,643 5,727	1,748 2,584 1,201	5,549 4,373 5,387
1983 total				
		TO JAPAN		
1972 1973 1974 1975 1976 1977 1978 1979 1980	6,884 4,963 3,208 4,303 5,724 7,766 6,763 8,854 17,384 29,437	17 328 317 337 168 1,354 107 0 1,160 2,608	28 2,359 12  396  200 700 3,256 11,834	6,839 2,276 2,879 3,966 5,160 6,412 6,456 8,154 12,968
1982 1st quarter 2d quarter 3d quarter 4th quarter	8,480 8,809 10,668 10,256	2,024 2,049 1,448 1,764	1,557 1,737 1,170 2,117	4,899 5,023 8,050 6,375
1982 total	38,213	7,285	6,581	24,347
983 1st quarter 2d quarter 3d quarter 4th quarter	7,519 6,585 5,389	1,381 578 274	1,748 2,460 1,134	4,390 3,547 3,981
1983 total				
		TO MAINLAND CHINA		
.981 .982	93	0	0	93
1st quarter 2d quarter 3d quarter 4th quarter	0 0 5 17	0 0 0 17	0 0 0	0 0 5 0
1982 total	22	17	0	5
983 1st quarter 2d quarter 3d quarter 4th quarter	0 0 0	0 0 0	0 0 0	0 0
1983 total				

Source--U.S. Oepartment of Commerce.

 $^1\mathrm{Northern}$  California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Table 29--Softwood lumber exports from southern California ports, by species and destination,  $1972\text{-}83^{\scriptsize 1}$ 

(In thousand board feet)

YEAR AND QUARTER	TOTAL	DOUGLAS-FIR	OTHER SOFTWOODS
	TO ALL	COUNTRIES	
1972	56,599	23,938	32,661
1973	52,608	19,599	33,009
1974	46,514	18,684	27,830
1975	56,759	23,596	33,163
1976 1977	61,256 72,588	23,078 26,895	38,178 45,693
1978	74,347	27,661	46,686
1979	81,372	20,388	60,984
1980	95,641	24,830	70,811
1981	109,451	18,809	90,642
1982	01 010	1 000	10.040
1st quarter	21,918	1,969	19,949
2d quarter 3d quarter	26,975 15,081	2,928 1,680	24,047 13,401
4th quarter	7,238	914	6,324
, on quartor			
1982 total	71,212	7,491	63,721
1983			
1st quarter	6,717	494	6,223
2d quarter	8,472	355 686	8,117
3d quarter 4th quarter	10,051	000	9,365
1983 total		JADAN	
		JAPAN	<del></del>
1972	1,578	12	1,566
1973	264		264
1973 1974	264 64		264 64
1973 1974 1975	264 64 119		264 64 119
1973 1974 1975 1976	264 64	  	264 64
1973 1974 1975 1976 1977 1978	264 64 119 377 172 471	   73	264 64 119 377 99 471
1973 1974 1975 1976 1977 1978	264 64 119 377 172 471 739	   73 	264 64 119 377 99 471 739
1973 1974 1975 1976 1977 1978 1979	264 64 119 377 172 471 739 2,330	   73  237	264 64 119 377 99 471 739 2,093
1973 1974 1975 1976 1977 1978 1978 1980	264 64 119 377 172 471 739	   73 	264 64 119 377 99 471 739
1973 1974 1975 1976 1977 1978 1980 1981 1982	264 64 119 377 172 471 739 2,330 1,477	   73  237	264 64 119 377 99 471 739 2,093
1973 1974 1975 1976 1977 1978 1978 1980	264 64 119 377 172 471 739 2,330 1,477	   73  237 360 0	264 64 119 377 99 471 739 2,093 1,117
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter	264 64 119 377 172 471 739 2,330 1,477	  73  237 360 0	264 64 119 377 99 471 739 2,093 1,117 245 3
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter	264 64 119 377 172 471 739 2,330 1,477	   73  237 360 0	264 64 119 377 99 471 739 2,093 1,117
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter	264 64 119 377 172 471 739 2,330 1,477	  73  237 360 0	264 64 119 377 99 471 739 2,093 1,117 245 3
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	264 64 119 377 172 471 739 2,330 1,477 245 3 12 30	   73  237 360 0 0 12	264 64 119 377 99 471 739 2,093 1,117 245 3 0
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	264 64 119 377 172 471 739 2,330 1,477 245 3 12 30	   73  237 360 0 0 12 0	264 64 119 377 99 471 739 2,093 1,117 245 3 0 30
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter 1982 total 1983 1st quarter 2d quarter	264 64 119 377 172 471 739 2,330 1,477 245 3 12 30	   73  237 360 0 0 12 0	264 64 119 377 99 471 739 2,093 1,117 245 3 0 30
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter 1982 total 1983 1st quarter 2d quarter 3d quarter	264 64 119 377 172 471 739 2,330 1,477 245 3 12 30	   73  237 360 0 0 12 0	264 64 119 377 99 471 739 2,093 1,117 245 3 0 30
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter 1982 total 1983 1st quarter 2d quarter	264 64 119 377 172 471 739 2,330 1,477 245 3 12 30	   73  237 360 0 0 12 0	264 64 119 377 99 471 739 2,093 1,117 245 3 0 30

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

 $1 \\ \text{Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.}$ 

Table 30--Softwood lumber exports from Alaska ports, by species and destination, 1972-83

(In thousand board feet)

YEAR ANO QUARTER	TOTAL	WESTERN HEMLOCK	SITKA SPRUCE	CEOAR	OTHER SOFTWOO
		TO ALL COU	VTRIES		
1972 1973	340,196 404,849	155,407 210,555	184,649 194,143	0 12	140 139
1974	362,432	250,144	154,525	2,641	122
1975	313,307	179,398	132,556	1,353	0
1976 1977	290,011 250,044	134,387 122,544	148,526 121,350	1,298 5,579	5,800 571
1978	237,795	126,218	111,435	53	89
1979 1980	278,462 256,716	172,005 158,682	103,844 96,607	479 105	2,134 1,322
1981	195,981	104,974	91,007	0	0
1982 1st quarter	49,526	16,908	32,618	0	0
2d quarter	54,839	23,000	30,178	0	1,661
3d quarter 4th quarter	34,136 33,465	13,765 321,827	20,371 311,638	0	0
1982 total	171,966	75,500	94,805	0	1,661
1983	42,858	20,389	21,854	0	615
lst quarter 2d quarter	23,333	10,727	11,545	0	1,061
3d quarter 4th quarter	36,314	17,962	18,352	Ü	0
1983 total					
		TO JAPA	NN .		
1972 1973	336,798 403,938	152,555 210,536	184,243 193,390	0 12	0
1974	361,691	204,845	154,205	2,641	0
1975 1976	312,976 289,197	179,122 134,274	132,501 148,221	1,353	5,800
1977	245,445	122,471	121,083	1,391	500
1978 1979	236,615 273,615	125,355 170,149	111,207 101,408	53 435	0 1,623
1980	251,369	156,654	94,610	105	0
1981 1982	161,794	82,753	79,041	0	0
1st quarter	39,046	13,050	25,996	0	0
2d quarter 3d quarter	53,846 29,469	23,000 13,315	30,178 16,154	0	668 U
4th quarter	33,465	21,827	11,638	Ö	0
1982 total	155,826	71,192	83,966	0	668
1983 1st quarter	34,269	18,795	14,937	0	537
2d quarter	22,230	10,626	10,543	0	1,061
3d quarter 4th quarter	29,008	13,116	15,892	0	0
1983 total					
		TO MAINLAND	CHINA		
1981 1982	27,149	18,428	8,721	0	0
1982 1st quarter	9,479	2,857	6,622	0	0
2d quarter	0	U 450	0	0	0
3d quarter 4th quarter	3,674	450 0	3,224	0	0
1982 total	13,153	3,307	9,846	0	U
1983 1st quarter	5,976	1,582	4,394	0	0
2d quarter	0	0	0	0	0
3d quarter 4th quarter	6,278	4,846	1,432	0	0
1983 total					

Source--U.S. Department of Commerce. Oata are compiled from Uepartment of Commerce records at the end of each quarter.

Table 31--Softwood lumber exports to Canada from the Montana Customs District,  $1972\text{-}83^1$ 

(In thousand board feet)

YEAR AND QUARTER	TOTAL	DOUGLAS-FIR	WESTERN HEMLOCK	OTHER SOFTWOODS
1972	16,360	6,391	1,595	8,374
1973	47,727	30,526	3,334	13,867
1974	29,146	9,618	3,602	15,926
1975	50,226	12,745	4,516	32,965
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29,645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981	82,933	18,196	1,308	63,429
1982				
1st quarter	13,582	2,047	231	11,304
2d quarter	10,114	1,573	56	8,485
3d quarter	11,699	2,763	194	8,742
4th quarter	12,023	2,212	209	9,602
1982 total	47,418	8,595	690	38,133
1983				
1st quarter	16,216	3,428	230	12,558
2d quarter	21,160	4,397	185	16,578
3d quarter 4th quarter	18,434	2,736	277	15,421

Source--U.S. Department of Commerce.

 $<sup>1</sup>_{\hbox{Montana}}$  Customs District includes all ports in Montana and Idaho.

Table 32--Lumber exports from British Columbia ports, by species and destination, 1972-83 (In thousand board feet)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS-FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO ALL COUNTR	IES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	3,834,552 4,169,812 3,938,940 3,001,410 4,670,033 5,860,807 5,876,119 5,755,532 5,160,800 4,421,519	707,112 566,535 527,706 356,371 542,197 683,614 679,566 679,694 498,425 420,466	1,801,818 2,032,594 1,699,277 1,113,665 1,967,446 2,364,028 2,492,764 2,313,186 2,098,672 1,805,988	406,409 456,522 406,419 295,218 467,829 533,267 570,796 646,701 988,347 604,608	634,563 766,830 914,787 825,527 1,191,429 2,269,876 2,116,258 1,983,829 1,872,234 1,495,892	278,836 344,401 387,043 409,507 499,853 8,796 15,674 129,161 99,624 93,086	5,814 2,930 3,708 1,122 1,279 1,226 1,061 2,961 3,498 1,479
1st quarter 2d quarter 3d quarter 4th quarter	1,045,913 1,236,274 1,018,860 941,852	99,313 99,590 86,096 54,933	451,692 508,243 420,486 423,578	166,216 176,105 151,808 141,736	56,025 64,291 41,548 46,354	272,403 387,718 309,280 274,940	264 327 9,642 311
1982 total	4,242,899	339,932	1,803,999	635,865	208,218	1,244,341	10,544
1983 1st quarter 2d quarter 3d quarter 4th quarter	1,173,746 1,231,102 1,170,095	80,455 92,469 83,730	503,998 556,169 558,274	161,250 183,459 169,082	62,562 42,115 44,826	363,111 355,453 313,650	2,370 1,437 533
1983 total							
			TO JAPAN				
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	400,051 617,449 500,785 407,674 633,863 705,823 779,135 1,014,481 1,084,426 867,636	15,268 12,987 15,335 12,870 13,727 18,530 23,799 44,021 55,800 34,239	300,460 441,852 349,560 301,336 476,927 530,567 545,983 677,425 701,579 577,901	46,052 88,946 83,749 60,490 79,934 90,447 116,368 158,121 136,130 129,256	34,003 71,531 49,116 30,488 61,743 65,943 92,940 133,358 185,379 125,324	526 1,849 2,490 2,405 1,521 85 0 546 4,158 717	3,742 284 535 85 11 251 45 1,010 1,380 199
1982 1st quarter 2d quarter 3d quarter 4th quarter	321,362 300,572 221,355 205,082	17,735 10,662 8,972 7,022	220,513 219,718 149,475 123,919	33,431 23,776 28,409 34,284	18,192 15,107 14,650 18,760	31,401 31,275 19,849 21,082	90 34 0 15
1982 total	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983 1st quarter 2d quarter 3d quarter 4th quarter	284,327 241,695 177,976	10,068 7,198 6,039	189,631 157,455 107,190	32,141 31,260 22,699	19,963 11,849 18,636	32,499 33,914 23,384	25 19 28
1983 total							

Table 32--Lumber exports from British Columbia ports, by species and destination, 1972-83 (continued) (In thousand board feet)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS-FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO UNITED STA	TES <sup>1</sup>			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter	2,679,159 2,601,556 2,287,461 2,026,343 2,965,011 4,107,653 4,078,666 3,528,648 2,590,889 2,337,958	505,902 347,653 302,112 238,331 322,793 529,808 501,841 462,658 283,482 228,856	1,155,419 1,143,329 761,924 542,256 978,784 1,340,920 1,443,548 1,125,807 775,428 803,019	254,521 240,978 207,138 166,949 267,831 333,604 365,062 382,991 355,821 394,800	491,217 544,634 659,751 684,404 938,185 1,894,371 1,751,741 1,429,014 1,079,387 813,733	270,029 322,316 353,487 393,391 456,237 7,988 15,496 126,536 94,683 96,305	2,071 2,646 3,049 1,012 1,181 962 978 1,642 2,088 1,245
2d quarter 3d quarter 4th quarter	598,691 487,198 477,427	45,348 40,730 33,360	178,235 138,339 176,993	129,618 104,856 91,122	35,901 23,304 23,343	209,335 179,603 152,313	254 366 296
1982 total	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983 1st quarter 2d quarter 3d quarter 4th quarter	596,902 716,670 716,678	42,067 50,047 54,010	197,343 282,102 279,588	107,140 125,052 125,998	39,938 27,625 24,490	209,966 231,261 232,182	448 583 410
1983 total							
			TO MAINLAND CH	INA			* · · · · · · · · · · · · · · · · · · ·
1982 1st quarter 2d quarter 3d quarter 4th quarter	37 8,663 15,481 19,025	0 0 0 0	0 6,426 6,290 28,877	0 0 0	0 0 0 624	37 2,337 0 2,240	0 0 9,191 0
1982 total	43,206	0	28,877	0	624	49514	9,191
1983 1st quarter 2d quarter 3d quarter 4th quarter	16,970 27,465 35,319	0 0 3,308	10,445 23,994 27,331	0 0 0	0 0 0	4,663 3,471 4,680	1,862 0 0

Source--Bureau of Economics and Statistics, Department of Industrial Development, Trade, and Commerce, Victoria, B.C., "Preliminary Statement of External Trade."

<sup>&</sup>lt;sup>1</sup>Figures do not include shipments of railroad crossties.

Table 33--Plywood exports from Washington and Oregon ports, by origin and destination, 1972-83 (In thousand square feet)

		BOTH OISTR1CTS	FROM WAS CUSTOMS D		FROM O CUSTOMS O	
YEAR ANO UARTER	SOFTWOOO, 3/8-INCH BASIS	HARDWOOO, SURFACE MEASURE	SOFTWOOO, 3/8-INCH BASIS	HAROWOOO, SURFACE MEASURE	SOFTWOOO, 3/8-INCH BAS1S	HAROWOOO SURFACE ME ASURE
		TO A	LL COUNTRIES			
.972	122,242	3,603	23,241	3,342	99,001	261
.973 .974	284,806 284,487	6,337 6,590	45,493 131,317	5,546 5,604	239,313 153,170	791 986
1975	407,117	10,493	93,951	10,360	313,166	133
.976 1977	532,576 233,762	24,229 17,673	34,020 20,603	23,846 17,447	498,556 213,159	383 226
1978	242,105	12,160	23,284	8,871	218,821	3,289
.979	330,018	9,962	27,132	9,644	302,886	318
.980 .981	279,003 327,967	9,718 18,645	20,747 65,729	8,806 17,333	258,256 262,238	912 1,312
1982						
1st quarter 2d quarter	61,985 54,367	3,009 2,326	8,562 10,519	3,003 2,326	53,423 43,848	6 0
3d quarter	26,117	1,352	8,687	1,348	17,430	4
4th quarter	79,140	2,748	8,500	2,669	70,640	79
1982 total	221,609	9,435	36,268	9,346	185,341	89
.983						
1st quarter	109,950	4,445	10,297	4,311	99,653	134 80
2d quarter 3d quarter	100,036 40,582	4,884 4,576	11,347 7,599	4,804 4,569	88,689 32,983	7
4th quarter						
1983 total						
			TO JAPAN			
.972 .973	734 8,139	34 247	432	0	302 6,514	34 247
1974	3,311	188	1,625 1,203	11	2,108	177
1975	2,141	14	414	0	1,727	14
1976 1977	2,361 1,914	61 162	498 122	61 74	1,863 1,792	0 88
1978	2,821	18	167	18	2,654	0
1979 1980	6,040 8,301	108 978	931 4,158	108 978	5,109 4,143	0
1981	5,056	13	2,162	12	2,894	1
1982 1st quarter	1,671	0	408	0	1,263	0
2d quarter	2,523	0	948	Ö	1,575	0
3d quarter	629	0 19	524	0 19	105 625	0
4th quarter	1,897	19	1,272	19	025	
1982 total	6,720	19	3,152	19	3,568	0
.983 1st quarter	1,264	0	910	0	354	0
2d quarter	1,047	13	765	0	282	13
3d quarter 4th quarter	1,583	3	1,108	0	475	3
1983 total						
		TO M	AINLAND CHINA			
1982						
1st quarter	0	0	0	0	0	0
2d quarter 3d quarter	0	1 0	0	1	0	0
4th quarter	ő	Ö	Ö	Ö	ő	ő
1982 total	0	1	0	1	0	0
1983			_	•		_
1st quarter 2d quarter	0	0	0	0	0	0
3d quarter	0	0	0	0	ő	Ô
4th quarter						

Source--U.S. Oppartment of Commerce. Oregon Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Oppartment of Commerce records at the end of each quarter.

Table 34--Plywood exports from California,  $1972-83\frac{1}{2}$  (In thousand square feet)

		NORTHERN	CALIFORNIA	SOUTHERN C	CALIFORNIA
YEAR AND QUARTER	TOTAL	SOFTWOOD, 3/8-INCH BASIS	HARDWOOD, SURFACE MEASURE	SOFTWOOD, 3/8-INCH BASIS	HARDWOOD SURFACE MEASURE
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	15,429 16,562 18,177 19,619 19,696 9,198 6,036 5,934 9,054 9,349 1,419 2,173 2,209 1,663	6,633 8,186 4,985 7,874 10,085 5,148 2,833 1,638 1,414 2,424 547 917 774 788	668 698 305 542 92 646 899 871 849 487 69 205 556 534	5,941 4,358 7,978 6,311 4,681 1,818 964 1,946 3,546 2,830 391 533 457 176	2,187 3,320 4,909 4,892 5,111 1,586 1,340 1,479 3,245 3,608 412 518 422 165
1982 total  1983 1st quarter 2d quarter 3d quarter 4th quarter	7,464  1,356 2,567 2/2,315	3,026 524 1,302 933	1,364 58 497 259	1,557 1,557 195 207 2/572	1,517 579 561 551

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions which may have been made after this time are not shown.

1/Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

2/0f this amount, 11,000 square feet were exported to mainland China.

Table 35--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1978-83 (In thousand board feet, Scribner scale)

					1	982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	30 QTR.	1ST QTR.	20 QTR.	30 QTR.	4TH QTR.	TOTAL
Western Washington: U.S. Forest Service <sup>1</sup> U.S. 8ur. Indian Affairs State of Washington <sup>2</sup>	66,923	1,222,548 22,882 1,150,935	1,114,024 6,927 503,565	1,224,969 13,460 368,885	1,066,085 2,535 601,935	360,854 2,535 98,195	333,610 839 152,160	310,440 4,549 96,875	275,030 6,481 57,395		
Total	1,339,675	2,396,365	1,624,516	1,607,014	1,670,555	461,584	486,609	411,864	338,906		
Eastern Washington: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. U.S. Bur. Indian Affairs State of Washington <sup>2</sup>	382,902 54 157,396 30,385	420,819 2,645 140,247 125,505	428,631 1,798 211,205 80,345	389,029 3,898 53,795 53,710	322,315 3,025 44,583 89,620	157,563 2,989 3,698 9,575	80,772 0 2,689 12,410	94,276 0 41,981 8,705	234,415 3,250 104,242 26,025		
Total	570,737	689,216	721,979	500,432	459,543	173,825	95,871	144,962	367,932		
Western Oregon: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. U.S. Bur. Indian Affairs <sup>3</sup> State of Oregon	2,242,355 1,110,451 0 210,353	2,441,324 889,797 0 219,378			2,418,057 1,214,330 0 301,947	819,999 420,036 0 52,862	906,967 217,953 0 26,091	381,433 240,675 2,361 95,737	479,813 339,437 0 78,741		
- Total	3,563,159	3,550,499	4,032,673	3,548,331	3,934,334	1,292,897	1,151,011	720,206	897,991		
Eastern Oregon: U.S. Forest Service <sup>1</sup> U.S. 8ur. Land Manage. U.S. 8ur. Indian Affairs State of Oregon	1,115,280 12,152 152,320 8,379	1,271,677 6,525 15,439 7,499	1,168,327 2,301 25,480 5,992	1,294,928 17,864 55,032 1,040	1,164,264 15,197 89,438 13,350	391,232 4,756 2,645 0	356,626 0 0	209,789 14,792 11,270 1,726	357,350 4,417 6,100 0		
- Total	1,288,131	1,301,140	1,202,100	1,368,864	1,282,249	398,633	356,626	237,577	367,867		
All public lands: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. U.S. Bur. Indian Affairs <sup>3</sup> State of Washington <sup>2</sup> State of Oregon	4,838,134 1,122,657 376,639 205,540 218,732	5,356,368 898,967 178,568 1,276,440 226,877	5,354,698 1,154,125 243,612 583,910 244,923		4,970,721 1,232,552 136,556 691,555 315,297	1,729,648 427,781 8,878 107,770 52,862	1,677,975 217,953 3,528 164,570 26,091	995,938 255,467 60,161 105,580 97,463	1,346,608 347,104 116,823 83,420 78,741		
Total	6,761,702	7,937,220	7,581,268	7,024,941	7,346,691	2,326,939	2,090,117	1,514,609	1,972,696		

Source--respective agencies listed.

 $<sup>^{1}</sup>$ Convertible products only.

<sup>2&</sup>lt;sub>Excludes</sub> sales under \$2,000.

 $<sup>^3 \</sup>text{Siletz Reservation formed 1980.}$ 

 $\textbf{Table 36--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1978-83$ 

(In dollars per thousand board feet)

					19	182			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	30 QTR.	1ST QTR.	20 QTR.	30 QTR.	4TH QTR.	AVERAGE
Western Washington:											
U.S. Forest Service <sup>1</sup>	129.57	224.68	208.06	180.57	61.48	35.48	61.38	84.11	64.74		
U.S. 8ur. Indian Affairs State of Washington <sup>2</sup>	120.34 231.31	264.95 332.10	182.32 304.71	129.09 208.95	128.64 146.88	128.64 130.25	90.73	103.53	98.79		
state of washington-	231.31	332.10	304.71	200.95	140.88	130.25	152.17	135.45	205.78		
Average	142.84	276.66	237.91	186.65	92.35	56.15	90.02	97.34	89.28		
Eastern Washington:											
U.S. Forest Service <sup>1</sup> U.S. 8ur. Land Manage.	186.69 123.48	104.68 16.80	90.92	77.57	30.61	24.94	50.07	56.09	25.51		
U.S. Sur. Indian Affairs	165.37	212.01	21.25 162.32	105.60 173.78	43.64 191.17	43.49 19.79	61.71	89.30	57.86 135.61		
State of Washington <sup>2</sup>	162.13	210.79	207.67	198.94	115.52	73.15	75.46	78.50	60.40		
Average	179.49	145.50	124.63	101.15	62.83	28.23R	53.68	67.05	59.41		
	213113	2.0101	121100	101110	02100	2012011	30100	0,103	55		
Western Oregon: U.S. Forest Service <sup>1</sup>	210.96	332.09	354.60	276.36	02 44	74.98	138.74	121 20	114 20		
U.S. 8ur. Land Manage.	196.36	292.59	323.63	246.68	92.44 89.40	74.96	130.89	131.32 125.59	114.29 123.30		
U.S. Sur. Indian Affairs <sup>3</sup>				365.16				170.20			
State of Oregon	226.23	314.93	332.25	262.31	117.52	134.60	144.12	186.42	159.36		
Average	207.31	321.13	344.44	269.30	93.43	76.76	143.52	136.86	121.65		
Eastern Oregon:											
U.S. Forest Service <sup>1</sup>	171.04	169.55	130.22	144.49	77.28	35.97	89.52	77.20	77.63		
U.S. Bur. Land Manage.	206.17	103.25	118.72	84.31	62.45	85.16		43.00	106.41		
U.S. 8ur. Indian Affairs State of Oregon	113.72 134.91	196.29 229.38	266.61 186.29	112.47 16.00	82.85 111.66	89.35		169.54 59.68	87.13		
state of oregon	134.91	229.30	100.29	10.00	111.00			33.00			
Average	164.36	169.88	133.37	142.32	56.33	36.91	89.52	79.32	78.13		
All public lands:											
U.S. Forest Service <sup>1</sup>	181.49	251.12	254.06	208.60	72.69	53.36	108.69	98.08	78.99		
U.S. Bur. Land Manage.	196.46	290.41	322.75	243.40	88-96	72.88	130.89	120.81	122.41		
U.S. 8ur. Indian Affairs <sup>3</sup>	136.48	217.43	173.80	147.23	119.07	79.93R	68.61	108.57	131.04		
State of Washington <sup>2</sup> State of Oregon	221.08	320.17 312.10	291.35 328.68	207.68	142.82 114.27	125.15 134.60	146.38 144.12	134.43 184.18	160.43 159.36		
state of oregon	LLC. 13	312.10	320.00	200.43	117.2/	154.00	177.12	104.10	133+30		
Average	184.01	267.66	267.21	213.67	84.80	62.30R	117.73	110.40	96.36		

Source--respective agencies listed.

1 Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

<sup>2</sup>Excludes sales under \$2,000.

<sup>3</sup>Siletz Reservation formed 1980.

R = revised.

sawtimber sold on National Forests by selected species. Pacific Northwest Region, 1972-831

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YEAR AND	00UGLAS-F1R	S-F1R	PONOEROSA ANO JEFFREY	SUGAR	WHITE	LOOGEPOLE	ENGELMANN	SITKA	WESTERN	c	:	NOBLE FIR AND SHASTA	OTHER	ALL
QUARTER	WEST SIDE	EAST S10E	PINES	P INE	PINE	PINE	SPRUCE	SPRUCE	HEMLOCK	CEOARS2	LARCH	REO FIR	FIRS	SPECIES
1972	71.70	15.60	38.40	26.00	35.80	10.60	27.20	28.00	49.00	67.50	13.50	100.20	33.00	53.20
1973	138.10	60.40	77.70	60.50	50.70	38.40	55.60	93.40	99.20	146.80	53.90	81.40	73.80	102.80
1974	202.40	68.20	110.60	139.10	121.00	25.70	50.20	72.60	110.80	217.00	11.00	136.20	80.90	142.40
1975	169.50	34.30	43.10	109.90	84.40	15.40	13.70	75.90	68.50	119.20	5.80	117.70	45.10	101.60
1976	176.20	38.60	79.40	118.90	116.00	40.20	10.50	83.10	78.10	160.30	20.30	105.60	55.00	113.20
1977	255.90	07.17	138.40	162.80	122 70	35.40	30.30	103.00	111 70	206 60	66.10	122 50	00.100	185 00
1979	394.30	81.70	238.00	267,30	181.90	47.10	51.60	227.90	197.10	329.10	90.50	211.30	189.80	270.00
1980	432.20	70.80	190.80	167.00	102.80	44.60	34,20	306,50	208.00	301.00	43.60	241.80	167.90	285.50
1981	350.20	94.00	206.40	174.50	100.60	36.60	15.00	238.00	162.00	168.70	02.69	147.30	103.80	230.60
1982	152 10	50.20	110 00	84 20	105 60	33 30	9	96 30	48 90	101 90	18.50	48.60	70.38	109.20
2d ollarter	97.60	36.10	78.60	32.60	29.00	15.50	18 40	93.10	33.20	106.80	58.30	50.30	31.20	69.30
3d quarter	91.70	27.80	54.60	95.10	41.30	9.50	21.90	25.50	37.80	72.90	15.30	16,30	24.80	59.20
4th quarter	134.30	29.30	73.10	107.70	54.40	17.20	8.50	41.70	00.69	142.20	15.90	16.00	43.40	96.40
1982 average	118.20R	35.80R	78.60R	83.60R	50.00R	17.40R	19.50	49.50	44.60	101.90	37.50	28.40	40.00	80.20
1983														
1st quarter	180.50	31.70	132.70	64.00	24.80	18.90	22.10	25.90	52.60	51.00	31.60	39.50	57.10	122.60
2d quarter 3d quarter	152.80	30.70	129.70	165.60	136.90	22.30	37.60 42.60	35.20	71.80 55.00	102.90	18.90	83.60	50.90	93.90
4th quarter														
1983 average														
,														

Source--Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

lprices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Includes Port-Orford-cedar.

R = revised.

Table 38--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}/\frac{2}{2}$  (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

NAT 10NAI		OOUGLA	S-FIR			SA ANO		TERN	TOUS	EIDe3/	A1.1	CDECTEC
NAT10NAL FOREST	WEST	SIOE	EAST	SIOE	JEFFRE'	LINE2	HEMI		TRUE	FIRS3/	ALL :	SPECIES
	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
Western Oregon:												
Mount Hood 1st qtr.	96,955	207.60	4,120	27.70	1,480	17.28	42,635	73.30	210	7.37	190,449	126.51
2d qtr. 3d qtr.	23,639 28,252	196.75 174.36	1,150 11,400	21.91 49.78	1,090 1,000	93.23 20.33	8,240 19,015	121.90 99.67	1,310 10,280	3.39 16.32	41,954 82,589	142.02 97.96
4th qtr.												
Total and average												
Rogue River 1st qtr.	24,750	204.44	0		3,850	70.71	110	14.13	10,570	164.63	48,810	157.15
2d qtr. 3d qtr.	22,775 29,665	159.25 105.60	0		520 1,067	27.05 54.21	0		16,755 19,405	97.87 159.47	44,841 57,797	117.49
4th qtr.									23, 100	2037	3,,,,,,	22.100
Total and average												
Siskiyou	33 306	205 94	0		110	45.00	1 460	0.02	300	11 02	40. 970	102.00
1st qtr. 2d qtr.	33,305 37,750	205.84 133.89	0		110 860	45.98 24.16	1,460	8.92 33.38	200 530	11.92 12.76	40,870 49,450	182.99
3d qtr. 4th qtr.	36,560	167.95	0		150	102.11	2,300	12.86	880	42.49	45,527	162.97
Total and average												
Siuslaw												
1st qtr. 2d qtr.	118,891 55,931	168.04 169.09	0 0		0 0		14,160 9,320	84.68 114.63	0		150,423 70,127	145.39 151.61
3d qtr. 4th qtr.	49,228	124.96	0		0		5,330	38.27	0		62,375	106.88
Total and average										· · · · · · · · · · · · · · · · · · ·		
Umpqua												
1st qtr. 2d qtr.	123,411 47,883	221.48	0		0		5,900 2,500	19.97 18.96	12,600 0	10.44	167,911 58,931	168.4
3d qtr. 4th qtr.	60,640	162.88	0		1,390	123.59	800	45.70	1,270	7.35	81,230	137.43
Total and average		·										
Willamette												
1st qtr. 2d qtr.	179,580 66,320	193.90 147.59	0		500 0	34.13	30,760 10,730	13.10 84.17	8,660 1,440	19.68 23.79	301,018 103,322	119.98
3d qtr. 4th qtr.	84,610	194.59	0		1,300	137.97	19,690	33.75	940	59.40	138,995	130.50
Ton you.												<del> </del>
Total and average												
All western Oregon: 1st qtr.	576,892	197.91		27.70	5,940	53.09	95,025	51.14	32,240		899,481	
2d qtr. 3d qtr.	254,298 228,955	166.50 203.93	1,150 11,400	21.91 49.78	2,470 4,907	55.25 90.62	30,830 47,135	98.11 60.04	20,035 32,775	84.11 102.67	368,625 468,513	134.08 124.09
4th qtr.												
Total and average												
Western Washington: Gifford Pinchot												
1st qtr. 2d qtr.	45,050 67,290	166.43 143.18	0		0		17,800 13,750	90.65 49.96	24,315 19,085	92.27 81.11	101,545 115,155	112.84 107.04
3d qtr. 4th qtr.	40,881	113.83	0		0		11,630	55.24	36,690	57.15	104,881	71.25
Total and average												
Mount Baker-Snoqualmie												
1st qtr. 2d qtr.	9,370 17,835	104.91 67.54	0		0		30,893. 39,531	52.63 67.19	11,200 13,410	86.55 133.81	70,810 88,278	57.24 75.51
3d qtr. 4th qtr.	7,790	96.14	0		0		16,256	93.03	7,945	65.88	42,481	84.42
Total and average					<u> </u>							
Olympic												
1st qtr. 2d qtr.	46,930 17,310	26.79 97.56	0		0		79,970 53,680	43.98 65.40	0 2,900	159.44	155,480 93,857	34.12 76.36
3d qtr. 4th qtr.	48,100	76.61	ő		Ö	~~	33,090	58.00	7,850	68.39	139,250	47.79
+cii qer•												
Total and average												

Table 38--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$ / (continued) (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

NAT10NAL FOREST	WEST	OOUGLA S10E		SIOE		OSA ANO Y PINES	WEST HEML		TRUE	FIRS <u>3</u> /	ALL	SPEC1ES
TONEST	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
All western Washingto 1st qtr. 2d qtr. 3d qtr. 4th qtr.	on: 101,350 102,435 96,771	94.01 122.30 93.91	0 0		0 0		128,663 106,961 60,976	52.51 64.07 66.81	35,515 35,395 52,485	90.46 107.52 60.16	327,835 297,290 286,612	63.50 87.99 61.80
Total and average												
All western Oregon and western Washington: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	678,242 356,733 325,726	182.39 153.81 171.25	4,120 1,150 11,400	27.70 21.91 49.78	5,940 2,470 4,907	53.09 55.25 90.62	223,688 137,791 108,111	51.93 71.69 63.86	67,755 55,430 85,260	77.92 99.06 76.50	1,227,316 665,915 755,125	119.36 113.50 100.42
Total and average												
Eastern Oregon: Oeschutes 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0		0 1,720 430	117.09 39.21	28,160 9,913 27,207	144.71 228.70 175.42	0 0 0		130 197 4,100	3.68 20.00 18.37	40,710 25,049 72,047	104.32 112.34 77.75
Total and average												
Fremont 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0		0 0 0		12,290 22,450 51,943	67.24 196.39 125.27	0 0 0		3,750 1,300 9,320	11.24 10.93 41.25	25,455 23,950 66,698	45.33 184.69 106.60
Total and average									<u> </u>			
Malheur 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0		5,815 1,630 7,141	11.71 9.50 8.82	62,330 27,930 34,929	117.01 133.96 171.37	0 0 0		4,635 1,156 3,510	2.58 8.75 8.38	75,845 30,975 50,800	99.45 123.68 121.82
Total and average												
Ochoco 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0		2,400 4,250 4,770	16.29 27.83 8.88	44,170 18,120 31,347	77.54 91.60 109.82	0 0 0		1,700 0	24.29	46,570 24,070 36,117	74.38 75.59 96.47
Total and average												
Umatilla 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0		7,000 1,000 4,600	27.90 9.65 10.57	6,000 1,300 4,710	120.39 13.65 63.06	0 0 0		13,500 4,800 21,600	19.39 28.57 23.79	40,770 10,100 48,660	29.23 17.58 27.63
Total and average												
Wallowa-Whitman 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0		12,405 16,930 4,100	19.60 11.30 27.27	14,340 14,120 4,208	62.81 39.06 159.16	0 0 0		12,700 10,100 920	18.91 5.25 40.17	61,545 43,446 13,758	24.53 18.40 69.44
Total and average												
Winema 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0		800 0 0	6.41	48,600 4,700 13,350	247.80 112.84 228.40	0 0 0		10,900 11,200 4,750	62.57 130.49 31.57	66,000 16,600 18,900	195.24 120.65 170.68
Total and average				- 4								
All eastern Oregon: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0		28,420 25,530 21,041	19.38 21.00 13.43	215,890 98,533 167,694	135.54 133.73 147.43	0 0 0		45,615 30,453 44,200	27.15 56.52 26.93	356,895 174,190 306,980	89.67 91.09 90.92

Table 38--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$  (continued) (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

NAT10NAL FOREST	UECT	DOUGLA		CIDE		OSA AND Y PINES	WEST HEML		TRUE	F1RS <u>3</u> /	ALL	SPEC1ES
FURES!	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
Eastern Washington: COlville 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0		77 3,998 7,00	80.89 160.63 51.29	700 0 3,300	24.04  96.79	176 74 1,792	50.25 65.82 6.94	2,300 3,905 110	12.95 16.83 47.53	30,600 14,935 31,210	20.29 58.10 39.78
Total and average		-										
Okanogan lst qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0		20,300 22,000 16,500	27.56 67.45 40.22	9,200 1,935 7,054	141.17 71.00 13.72	0 0 0		0 0 0		31,300 23,935 24,754	61.09 67.74 32.22
Total and average												
Wenatchee 1st gtr. 2d gtr. 3d gtr. 4th gtr.	0 0		5,260 4,930 56,019	127.60 121.51 27.90	2,100 2,400 13,070	68.18 41.32 67.17	2,140 0 16,500	19.13	5,010 4,025 31,950	114.81 18.65 17.61	6,720 14,320 125,732	86.67 62.00 25.49
Total and average												
All eastern Washingto 1st qtr. 2d qtr. 3d qtr. 4th qtr.	on: 0 0 0		25,637 30,928 79,519	48.24 88.11 32.51	12,000 4,335 23,424	121.56 54.57 55.25	2,316 74 18,292	21.49 65.82 6.28	7,310 7,930 32,060	82.76 17.76 17.70	78,620 53,190 181,696	50.65 63.49 28.86
Total and average												
All eastern Oregon and eastern Washington: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	0 0 0	  	54,057 56,458 100,560	33.08 57.77 28.52	227,890 102,868 191,118	134.80 130.40 136.13	2,316 74 18,292	21.49 65.82 6.28	52,925 38,383 76,260	34.84 48.51 23.05	435,515 227,380 488,676	82.62 84.63 67.85
Total and average												
Pacific Northwest Region 1st qtr. 2d qtr. 3d qtr. 4th qtr.	678,242 356,733 325,726	182.39 153.81 171.25	58,177 57,608 111,960	32.69 56.70 30.68	233,830 105,338 196,025	132.73 128.63 134.99	226,004 137,865 126,403	51.62 71.69 55.53	120,680 93,813 161,520	58.85 78.38 51.26	1,662,831 893,295 1,243,801	109.74 106.15 87.92
Total and average												
All of Oregon: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	576,892 254,298 228,955	197.91 166.50 203.93	32,540 26,680 32,441	20.43 21.04 26.20	221,830 101,003 172,601	133.33 131.81 145.82	95,025 30,830 47,135	51.14 98.11 60.04	77,855 50,488 76,975	42.19 67.47 59.18	1,256,376 542,815 775,493	125.50 120.28 110.93
Total and average											*****	
All of Washington: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	101,350 102,435 96,771	94.01 122.30 93.91	25,637 30,928 79,519	48.24 88.11 32.51	12,000 4,335 23,424	121.56 54.57 55.25	130,979 107,035 79,268	51.96 64.08 52.84	42,825 43,325 84,545	89.15 91.09 44.06	406,455 350,480 468,308	61.01 84.27 49.02
Total and average												

Source--U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

### $\frac{1}{P}$ reliminary.

2/Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

<sup>3/</sup> Does not include noble fir or Shasta red fir.

Table 39--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1978-83

(In thousand board feet, Scribner scale)

					15	1982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	3D QTR.	1ST QTR.	2D QTR.	30 QTR.	4TH QTR.	TOTAL
Montana: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana	533,161 4,576 6,880 25,036	512,023 9,148 37,468 28,110	579,943 11,079 25,405 24,662	536,133 9,061 24,693 28,853	547,509 6,265 17,198 25,417	173,069 5,444 6,987 10,358	123,057 75 453 5,481	220,534 557 5,674 5,922	155,954 14,044 1,755 5,918		
Total	569,653	586,749	642,089	598,740	596,442	195,858	129,066	232,687	177,671		
Idaho: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Idaho	836,629 27,656 8,491 120,261	843,992 778 1,609 179,307	828,507 19,283 2,381 222,137	741,147 33,221 14,484 14,820	687,320 11,538 7,070 38,727	193,379 7,890 2,252 11,827	131,481 238 0 22,012	176,129 7,950 8,376 28,525	280,086 3,851 0 8,901		
Total	993,039	1,025,686	1,072,308	803,672	744,655	215,348	153,731	220,980	292,838		
All public lands: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana	1,369,790 32,232 15,371 25,036 120,261	1,356,015 9,926 39,077 28,110 179,307	1,408,450 30,362 27,786 24,662 222,137	1,277,280 42,282 39,177 28,853 14,820	1,234,829 17,803 24,268 25,470 38,727	366,448 13,334 9,239 10,358 11,827	254,538 313 453 5,481 22,012	396,663 8,507 14,050 5,922 28,525	436,040 17,895 1,755 5,918 8,901		
Total	1,562,690	1,612,435	1,713,397	1,402,412	1,341,097	411,206	282,797	453,667	470,509		
							-				

Source--respective agencies listed.

1Convertible products only.

2Does not include cull log sales.

Table 40.--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1978-83 (In dollars per thousand board feet)

					1982	32			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	3D QTR.	1ST QTR.	2D QTR.	3D QTR.	4TH QTR.	AVERAGE
Montana: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Nanage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana	62.12 50.25 35.78 104.76	59.66 41.99 114.61 114.36	43.31 60.39 104.81 79.44	57.46 39.52 65.05 99.28	29.80 32.17 73.50 81.39	20.43 36.07 68.82 104.07	34.73 7.93 17.56 62.74	33.39 14.90 50.03 82.52	30.91 23.98 16.20 112.02		
Average	63.58	65.52	47.43	59.52	33.28	27.02	35.84	35.00	32.92		
Idaho: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Idaho	52,10 83,46 67,51 133,14	63.56 63.70 119.89 102.23	40.74 47.09 129.09 92.21	43.27 55.45 83.15 101.83	28.28 26.71 78.79 45.28	20.33 15.24 71.01 40.15	54.29 9.34  90.53	44.91 76.90 78.87 64.02	48.03 78.13  36.06		
Average	62.92	70.41	51.71	44.88	29.62	21.76	59.41	49.82	48.06		
All public lands: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana State of Idaho	56.00 78.75 53.31 104.76 133.14	62.09 43.69 114.83 114.36 102.23	41.80 51.94 106.53 79.44 92.21	49.22 38.92 71.74 99.28	28.95 28.63 75.04 81.39 45.28	20.38 23.74 69.36 104.07 40.15	44.83 9.00 17.56 62.74 90.53	38.51 72.84 67.23 82.52 64.02	41.91 35.63 16.20 112.02 36.06		
Average	63.16	68.63	50.11	51.13	31.25	24.27	48.65	42.22	42.34		

Source--respective agencies listed.

lprices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Does not include cull log prices.

Table 41--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region,  $1972-83^1$ (In dollars per thousand board feet)

YEAR AND QUARTER	DOUGLAS- FIR	PONDEROSA PINE	WESTERN WHITE PINE	LODGEPOLE P INE	ENGELHANN SPRUCE	WESTERN HEMLOCK	CEDARS	LARCH	TRUE FIRS	ALL SPECIES
1972	26.70	35.50	30.30	16.50	27.00	12.90	28.50		19.20	26.50
1973	50.70	66.50	65.90	38.30	65.80	42.60	45.20		46.10	53.30
1974	31.90	63.50	117.80	19.40	39.10	28.90	26.50		29.20	44.70
1975	14.40	22.40	36.20	19.20	10.90	2.00	42.50		4.80	18,30
1976	23.00	56.30	91.40	16.70	42.20	09.6	45.80		9.30	35.40
1977	41.50	09.96	122.70	38.30	61.40	11.90	72.00		20.20	53.20
1978	41.20	113.50	146.00	44.70	85.80	42.50	144.90		37.30	64.80
1979	51.90	127.20	185.60	34.40	75.90	62.10	117.20		43.90	70.90
1980	20.50	112.70	80.10	42.70	44.10	171.80	123.20		30.10	53.40
1981	44.20	74.20	149.70	54.50	63.00	61.40	95.60		78.40	63.90
1982	26.60	43.10	81.40	34.60	27.20	71.10	06.09	28.30	37.70	36.20
155- 1st quarter	38.30	63.90	108.40	26.50	32.30	71.60	133.40	46.00	48.60	48.12
2d quarter	35.40	24.30	120.60	40.60	31.10	58.20	140.80	61.00	84.20	51.90
3d quarter	62.99	32.97	68.95	31.60	86.90	32.10	163.10	31.70	31.20	63.10
4th quarter										
1002										
1905 average										

Source--Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for 1 Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, road costs; it includes an allowance for sale-area betterment (K-V funds).

Table 42--Volume of timber sold on publicly owned or managed lands in Alaska, 1978-83

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					,	1982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	3D QTR.	1ST QTR.	2D QTR.	3D QTR.	4ТН ОТК.	TOTAL
U.S. Forest Service <sup>1</sup>	175,140	93,733	145,285	163,700	71,429	12,295	978	969,9	71,502		
U.S. Bur. Land Manage. <sup>2</sup>	142	22	125	32	1,270	1,270	0	0	0		
U.S. Bur. Indian Affairs	440	258,360	12,794	200	7,680	0	0	0	0		
State of Alaska	6,932	156,235	4,949	18,402	24,154	5,474	3,900	3,960	6,282		
Total	182,654	508,350	163,153	182,334	104,533	19,039	4,878	10,656	77,784		

Source--respective agencies listed.

1Convertible products only.

2Does not include cull log sales or volume given away through free use permits.

Table 43--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1978-83 (In dollars per thousand board feet)

					19	1982			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	AVERAGE 3D QTR.	1ST QTR.	2D QTR.	3D QTR.	4TH QTR.	AVERAGE
U.S. Forest Service <sup>1</sup>	51.73	159.71	101.72	46.91	32.03	48.28	17.24	65.76	9.84		
U.S. Bur. Land Manage. <sup>2</sup>	94.72	34.09	00.9	34.00	28.03	28.08	1	1	1		
U.S. Bur. Indian Affairs	80.00	5.31	151.83	2.00	122.40	-	1	1	1		
State of Alaska	26.60	3.22	24.63	19.21	18.23	16.39	17.06	18.93	96*9		
Average	50.88	33.14	103.24	44.06	35.43	35.43 37.76	17.09	48.21	9.61		

Source--respective agencies listed. Includes products other than sawtimber.

Iprices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Does not include cull log sales or volume given away through free use permits.

NA = not available.

Table 44--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1972-83<sup>1</sup>

(In dollars per thousand board feet)

YEAR AND QUARTER	SITKA SPRUCE	WESTERN HEMLOCK	CEDAR AND OTHER SOFTWOODS	ALL SPECIES
1972	7.30	7.90	1.00	7.60
1973	13.30	11.50	21.10	12.50
1974	41.80	22.30	41.70	28.80
1975	33.00	18.10	60.70	23.20
1976	25.10	12.00	67.30	28.00
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982				
1st quarter	30.10	6.20	1.60	10.60
2d quarter	34.90	6.40	27.10	30.80
3d quarter	128.20	23.60	71.80	47.40
4th quarter	66.30	6.70	3.90	22.80
1982 average	39.00	14.50	35.70	32.40
1983			6	
1st quarter	24.50	7.70	13.80	17.10
2d quarter	70.50	47.20	6.90	60.50
3d quarter 4th quarter	19.95	5.00	8.90	9.80

Source--Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

1Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

Table 45--Volume of timber sold on publicly owned or managed lands in California, 1978-83 (In thousand board feet, Scribner scale)

					1982				1983		
AGENCY	1978	1979	1980	1981	TOTAL	3D QTR.	1ST QTR.	2D QTR.	3D QTR.	4ТН ОТВ.	TOTAL
U.S. Forest Service <sup>1</sup>	2,001,607	2,001,607 2,071,263 1,875,796 1,899,263	1,875,796	1,899,263	1,617,664	624,894	437,956	458,723	667,712		
U.S. Bur. Land Manage. <sup>2</sup>	13,107	4,195	17,203	14,471	33,385R	24,358	513	790	NA		
U.S. Bur. Indian Affairs	37,200	33,729	22,230	11,000	63,595	30,000	0	3,000	0		
State of California	27,333	21,833	30,328	10,480	34,726	150	17,342	13,775	335		
Total	2,079,247	2,079,247 2,131,020 1,945,557 1,935,214	1,945,557	1,935,214	1,749,370R	679,402	455,811	476,288	NA		

Source--respective agencies listed.

<sup>1</sup>Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

2boes not include cull log sales or volume given away through free use permits.

NA = not available.

Table 46--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1978-83 (In dollars per thousand board feet)

					1982	32			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	3D QTR.	1ST QTR.	2D QTR.	3D QTR.	4TH QTR.	AVERAGE
U.S. Forest Service <sup>1</sup>	145.57	201.08	241.39	149.78	53.87	49.89	83.83	98.09	64.77		
U.S. Bur. Land Manage. <sup>2</sup>	96.39	102.59	173.25	84.26	41.10R	. 41.16R	83.84	20.07	NA		
U.S. Bur. Indian Affairs	125.34	157.70	158.28	224.73	153.90	153.00	;	110.00	1		
State of California	273.35	370.76	283.94	190.57	133.93	35.73	247.97	116.05	97.64		
Average	146.58	201.94	240.51	180.70	58.86	54.12R	90.04	62.70	NA		

Source -- respective agencies listed.

lprices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Does not include cull log sales or volume given away through free use permits.

R = revised.

NA = not available.

Table 47--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region,  $1972-83^{1}$ 

(In dollars per thousand board feet)

		PONDERUSA AND					
YEAR AND QUARTER	DOUGLAS- FIR	JEFFREY PINES	SUGAR PINE	LODGEPOLE PINE	CEDARS	TKUE FIRS	ALL SPECIES
1972	40.70	65.80	66.60	5.40	50.10	30.20	47.40
1973	84.80	108.60	89.30	12.40	86.40	70.20	83.10
1974	87.00	101.40	104.00	0.50	112.00	41.70	81.80
1975	51.40	71.00	99.00	22.40	79.90	19.70	53.80
1976	76.00	101.80	185.00	6.50	84.00	23.40	80.40
1977	124.30	131.40	168.50	165.20	337.90	50.60	121.10
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1982							
1st quarter	55.30	93.80	79.30	33.90	303.00	36.10	66.80
2d quarter	43.20	66.20	55.50	22.60	106.90	43.10	55.30
3d quarter	55.70	58.10	78.20	27.40	62.30	24.90	50.00
4th quarter	44.60	70.90	45.00	17.60	49.40	47.10	54.20
1982 average	50.00	66.90	72.00	27.80	70.30	36.30	54.50
1983							
1st quarter	75.70	84.60	149.30	37.80	109.60	72.20	85.10
2d quarter	48.30	119.40	70.80	25.40	99.40	43.60	65.70
3d quarter 4th quarter	56.40	90.10	169.40	22.80	57.20	48.40	73.70

1983 average

Source--Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

<sup>1</sup>Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

	COL	/ILLE <sup>1</sup>	0E SC	HUTES	FRE	MONT	GIFFORG	PINCHOT	MALI	HEUR		BAKER- ALMIE <sup>2</sup>	МОИМ	Н000
YEAR ANO QUARTER	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd_ft	Number	Thousand bd ft
1972	0		0		0	~-	23	84,440	0		0		0	
1973	0		0		2	25,600	12	18,740	0		0		0	
1974	4	30,100	0		4	46,300	33	172,615	1	650	8	26,860	11	63,527
1975	4	13,355	0		5	66,920	18	147,050	2	2,135	8	56,320	17	66,390
1976	1	2,263	0		1	15,200	7	68,250	0		2	8,350	4	10,658
1977	3	13,800	7	63,290	8	69,000	13	192,500	0		10	70,450	15	76,379
1978	4	43,500	0		1	357	15	161,500	0		0		20	83,836
1979	5	42,760	4	2,150	11	79,460	0		0		19	11,575	34	86,586
1980	2	20,400	3	2,032	6	44,360	16	113,140	0		18	6,763	44	26,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982 1983	10	38,460	9	9,580	8	13,440	18	30,920	0		12	4,400	31	16,246
1st qtr.	1	400	0		2	8,900	2	10,020	1	545	3	8,470	4	1,230
2d qtr.	1	575	1	640	3	10,500	3	1,620	1	130	4	745	4	872
3d qtr. 4th qtr.	2	1,520	0		6	37,120	6	3,231	2	490	1	800	17	4,852

1983 total

	001	1000	OKA	NOG AN	OLY	MPIC	ROGUE	RIVER	SIS	KIYOU	SIU	SLAW	UMA	TILLA
YEAR ANO QUARTER	SALES	VOLUME	SALES	VOLUME	SALES	YOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME
	Number	Thousand bd ft												
1972	0		0		8	32,897	0		0		8	26,356	11	198,116
1973	0		0		22	92,199	0		17	94,680	14	72,701	5	22,400
1974	0		3	19,000	12	78,990	28	98,752	12	52,775	34	174,471	11	74,710
1975	3	39,550	2	21,000	8	53,842	24	143,665	22	59,331	26	201,478	5	28,620
1976	3	19,270	2	9,300	5	45,579	18	46,254	7	22,335	17	118,763	6	23,110
1977	0		1	11,500	2	30,926	25	100,807	14	58,980	17	91,027	7	31,100
1978	5	34,300	0		6	44,615	47	171,251	13	62,300	39	231,303	0	
1979	3	23,500	7	20,105	12	106,105	50	118,818	2	270	16	120,834	4	35,500
1980	1	7,700	2	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	5	35,000	2	13,100	6	58,500	54	168,580	24	78,733	44	201,038	7	36,936
1982	3	1,100	3	15,750	4	1,860	26	85,272	33	45,719	44	94,808	1	150
1983				-										
1st qtr.	0		0		1	140	2	990	4	25,440	6	904	2	5,400
2d qtr.	0		0		1	330	19	37,665	5	2,900	3	576	2	10,100
3d qtr. 4th qtr.	2	640	0		1	1,740	21	41,780	3	1,175	4	711	1	16,900

1983 total

1983 total

	UMI	PQUA	WALLOWA	-WHITMAN	WENA	TCHEE	WILL	AMETTE	WII	IEMA	ALL	FORESTS
YEAR ANO QUARTER	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1972	0		0		0		0		0		50	341,809
1973	ō		8	77,400	Ō		7	58,510	5	22,460	92	484,690
1974	22	124,807	ő		0		7	61,520	5	35,550	195	1,060,627
1975	29	146,668	0		2	17,400	10	137,810	9	69,600	194	1,271,634
1976	21	55,093	0		0		19	121,100	5	38,040	118	603,565
1977	29	128,705	0		0		48	174,585	8	35,110	207	1,148,159
1978	29	125,330	0		0		33	177,660	13	60,006	225	1,195,958
1979	35	169,212	0		5	23,100	53	146,366	6	59,050	266	1,045,391
1980	31	166,650	7	1,799	4	18,000	83	197,229	4	30,400	281	930,670
1981	49	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982 1983	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1st qtr.	5	1,730	0		2	10,500	15	10,838	0		50	85,507
2d gtr.	2	820	0		2	9,450	13	36,063	0		64	112,986
3d qtr. 4th qtr.	1	305	3	1,907	6	13,870	4	8,065	1	4,000	81	139,106

Source--Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>&</sup>lt;sup>1</sup>July 1, 1974, Colville National Forest in Washington became part of the Pacific Northwest Region.

<sup>&</sup>lt;sup>2</sup>July 1, 1974, Snoqualmie National Forest was merged with the Mount Baker National Forest.



Ruderman, Florence K. Production, prices, employment, and trade in Northwest forest industries, third quarter 1983. Resour. Bull. PNW-110. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1984. 57 p.

Provides current information on the lumber and plywood production and prices, employment in the forest industries, international trade in logs, lumber, and plywood, volume and average prices of stumpage sold by public agencies, and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing, (forest products), import/export (forest products), markets (external), economics (forestry business).

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.

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Pacific Northwest Forest and Range Experiment Station

Resource Bulletin PNW-111

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# Production, Prices, Employment, and Trade in Northwest Forest Industries, Fourth Quarter 1983

Florence K. Ruderman

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### **ABSTRACT**

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### PREFACE

This quarterly report presents current information on the timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Historical data for the years before 1969 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries."

Cooperation in supplying data has been received from the following sources: the U.S. Department of Agriculture, Forest Service, Forest Resources Economics Research Staff in Washington, D.C.; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

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### **AUTHOR**

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<sup>1/</sup>A: Published annually as data become available.
B: Published biannually as data become available.
P: Published periodically as data become available.

Q: Published quarterly as data become available.

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Table 1--Softwood lumber production in Western United States by region, and U.S. softwood plywood production, 1972-83

YEAR	TOTAL SOFTWOOD LUMBER	WESTERN WASHINGTON AND WESTERN OREGON <sup>1</sup>	CAL IFORNIA REDWOOD REGION	INLAND REGION <sup>2</sup>	U.S. SOFTWOOD PLYWOOD PRODUCTION <sup>3</sup>
		Million board	feet		Million sq ft, 3/8-inch basis
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1981 1982 1983 January February	21,830 22,267 19,425 17,773 20,611 21,558 20,780 20,045 16,045 15,004 13,851R	8,983 9,074 7,777 7,134 8,322 8,796 8,845 8,427 6,815 6,339 5,174R	2,452 2,629 2,675 2,194 2,500 2,453 1,902 1,838 1,617 1,455 1,342R	10,395 10,564 8,973 8,445 9,789 10,309 10,033 9,780 7,613 7,210 6,735R	18,324 18,305 15,878 16,050 13,440 19,677 19,936 20,022 16,573 17,073 17,150  1,598 1,557
March Total, 1st quarter	1,551 	1,950	144 454	711	1,848 5,003
April May June	1,516 1,546 1,560	682 693 644	121 131 149	713 722 767	1,703 1,799 1,659E
Total, 2d quarter	4,622	2,019	401	2,202	5,161E
July August September	1,445 1,495 1,581	613 583 671	127 128 121	705 784 789	1,629 1,926 1,839
Total, 3d quarter	4,521	1,867	376	2,278	5,394
October November December	1,578 1,369 1,356	676 581 552	138 122 113	764 666 691	1,837 1,771 1,760
Total, 4th quarter	4,303	1,809	373	2,121	5,368
1983 total	17,798	7,645	1,604	8,549	20,926
From 3d quarter 1983 4th quarter 1982	-4.8 26.1R	4th quarter 198 -3.1 25.4R	8 31.8R	-6.9 25.7R	5 15.5
From year 1982	28.5R	Year 1983 32.4R	change, in perc	ent 26.9R	22.0

Source--Western Wood Products Association, Portland, Oregon (western Washington and western Oregon and inland region), National Forest Products Association, Washington, D.C. (California redwood region), and American Plywood Association, Tacoma, Washington (U.S. softwood plywood data).

<sup>&</sup>lt;sup>1</sup>Includes small amounts of hardwood.

 $<sup>^2</sup>$ Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

<sup>&</sup>lt;sup>3</sup>Data for 1974 and 1975 are based in part on sampling.

Table 2--Wholesale prices of selected lumber products, 1972-83

(In dollars per thousand board feet)

YEAR	DOUGLAS-FIR STD. AND BTR., 2 BY 4 RL, 8/12', KD, NET, F.O.B. MILL	PONOEROSA PINE BOAROS, NO. 3, 1 BY 12 RL, KO, NET, F.O.B. MILL	PONOEROSA PINE, NO. 2 SHOP, 6/4 RWRL, S2S, NET, F.O.B. MILL	FIR-LARCH STO. ANO BTR., 2 BY 4 RL, 8/20', KO, NET, F.O.B. MILL	SPRUCE-PINE-FIR STO. AND BTR., 2 by 4 RL, 8/20', KD, NET, F.O.B. MILL
1972	136.00	140.00	177.00	139.00	126.00
1973	177.00	189.00	233.00	173.00	152.00
1974	144.00	162.00	247.00	136.00	120.00
1975	148.00	144.00	205.00	144.00	117.00
1976	178.00	188.00	318.00	169.00	151.00
1977	213.00	229.00	380.00	202.00	173.00
1978	241.00	263.00	459.00	238.00	209.00
1979	260.00	309.00	479.00	201.00	225.00
1980	209.00	296.00	478.00	201.00	168.00
1981	190.00	296.00	483.00	181.00	158.00
1982 1983	167.00	253.00	357.00	160.00	141.00
January	230.00	263.00	459.00	212.00	140.00
February	228.00	272.00	521.00	208.00	174.00
March	226.00	250.00	554.00	213.00	181.00
Average, 1st quarter	228.00	262.00	515.00	211.00	180.00
April	229.00	251.00	594.00	225.00	185.00
May	240.00	258.00	599.00	234.00	225.00
June	254.00	272.00	586.00	248.00	238.00
Average, 2d quarter	241.00	260.00	593.00	236.00	216.00
July	250.00	244.00	575.00	235.00	207.00
August	213.00	225.00	584.00	192.00	170.00
September	194.00	218.00	590.00	183.00	158.00
Average, 3d quarter	219.00	229.00	583.00	203.00	178.00
October	202.00	253.00	592.00	206.00	167.00
November	194.00	278.00	595.00	197.00	162.00
December	205.00	311.00	595.00	201.00	170.00
Average, 4th quarter	200.00	281.00	594.00	201.00	167.00
1983 average	222.00	258.00	571.00	213.00	185.00
		4th	quarter 1983 change,	in percent	
From	0.7	20. 7	1.0	1.0	6.0
3d quarter 1983 4th quarter 1982	-8.7 17.6	22.7 28.9R	1.9 57.1R	-1.0 16.2	-6.2 7.7R
		Year 19	183 change, in percent		
From 1982	32.9	2.0R	59.9R	33.1	31.2R

Source--Random Lengths Publications, Inc.

R = revised.

Table 3--Wholesale prices of selected softwood plywood products, 1972-83 (In dollars per thousand square feet)

YEAR	SHEATHING, WESTERN EXTERIOR, 3/8-INCH, CD, NET F.O.B. MILL	SHEATHING, SOUTHERN (WEST)1/ EXTERIOR, 3/8-INCH, CD, NET F.O.B. MILL	SANDED, WESTERN INTERIOR, 1/4-INCH, AD, NET F.O.B. MILL		
1972	92.00	93.00	101.00		
1973	107.00	100.00	127.00		
1974	92.00	94.00	140.00		
1975	99.00	95.00	146.00		
1976	127.00	125.00	160.00		
1977	157.00	159.00	183.00		
	169.00	174.00			
1978	164.00		214.00		
1979		156.00	221.00		
1980	155.00	155.00	211.00		
1981	148.00	140.00	203.00		
1982	135.00	139.00	185.00		
1983	450.00	1.00			
January	158.00	162.00	174.00		
February	157.00	162.00	178.00		
March	152.00	164.00	179.00		
Average, 1st quarter	156.00	163.00	177.00		
April	150.00	158.00	182.00		
May	155.00	163.00	189.00		
June	162.00	172.00	196.00		
Average,	150.00	164.00	100.00		
2d quarter	156.00	164.00	189.00		
July	159.00	166.00	189.00		
August	146.00	152.00	174.00		
September	150.00	149.00	169.00		
Average, 3d quarter	152.00	156.00	177.00		
03 quai 001	102.00	200.00	1,7,00		
October	154.00	151.00	172.00		
November	150.00	146.00	169.00		
December	154.00	149.00	176.00		
Average,	450.00	140.00	170.00		
4th quarter	153.00	149.00	172.00		
1983 average	154.00	158.00	179.00		
	4	th quarter 1983 change,	in percent		
From			·		
3d quarter 1983	.7	-4.5	-2.8		
4th quarter 1982	7.0	2.1	-2.3		
·	Year 1983 change, in percent				
From 1982	14.1	13.7	-3.2		

Source--Random Lengths Publications, Inc.

 $<sup>\</sup>underline{1}$ / Texas, Louisiana, Arkansas.

Table 4--Employment in forest products industries in Washington, Oregon, and Alaska, 1972-83 (In thousands of persons)

	WASH	INGTON AND OF	EGON		WASH1NGTO	N		OREGON			ALASKA	
YEAR	TOTAL	LUMBER AND WOOO PROOUCTS	PAPER ANO ALLIED PROOUCTS	TOTAL	LUMBER AND WOOO PRODUCTS	PAPER AND ALLIEO PROOUCTS	TOTAL	LUMBER AND WOOD PRODUCTS	PAPER ANO ALL1ED PROOUCTS	TOTAL	LUMBER AND WOOO PROOUCTS	PULP ANI ALL1EO PROOUCTS
1972	150.2	122.5	27.7	65.5	47.3	18.2	84.7	75.2	9.5		2.8	1/
1973	155.3	127.9	27.4	66.8	49.1	17.7	88.5	78.8	9.7		2.3	$\frac{\frac{1}{2}}{\frac{2}{2}}$ 1. I
1974	152.1	124.5	27.6	67.3	49.7	17.6	84.8	74.8	10.0		2.5	2/
1975	137.2	110.8	26.4	60.4	43.8	16.6	76.8	67.0	9.8		2.0	2/
1976	150.9	123.4	27.5	68.4	51.0	17.4	82.5	72.4	10.1	3.4	2.3	1.T
.977	159.2	131.4	27.8	71.6	53.9	17.7	87.6	77.5	10.1	3.6	2.2	1.4
978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8	2.9	1.8	1.1
979	159.0	133.4	25.6	68.4	52.6	15.8	90.6	80.8	9.8	3.0	2.0	1.0
980	144.1	116.1	28.0	64.1	46.5	17.6	80.0	69.6	10.4	3.4	2.3	1.1
981	135.6	108.1	27.5	61.6	44.4	17.2	74.0	63.7	10.3	2.8	1.9	.9
.982 .983	120.4	94.5	25.9	55.2	39.0	16.2	65.2	55.5	9.7	2.6	1.8	.8
January	120.0	94.9	25.1	54.6	38.8	15.8	65.4	56.1	9.3	1.9	1.1	.8
February	122.6	97.7	24.9	55.3	39.7	15.6	67.3	58.0	9.3	2.2	1.4	.8
March	124.5	99.8	24.7	56.2	40.7	15.5	68.3	59.1	9.2	2.6	1.8	.8
Average, 1st quarter	122.3	97.4	24.9	55.3	39.7	15.6	67.0	57.7	9.3	2.2	1.4	.8
April	126.5	101.5	25.0	57.3	41.6	15.7	69.2	59.9	9.3	2.8	2.2	.6
May	128.5	103.5	25.0	57.9	42.2	15.7	70.6	61.3	9.3	3.3	2.5	.8
June	133.6	108.0	25.6	59.6	43.6	16.0	74.0	64.4	9.6	3.3	2.5	.8
Average, 2d quarter	129.6	104.4	25.2	58.3	42.5	15.8	71.3	61.9	9.4	3.1	2.4	.7
July	135.3	109.3	26.0	60.3	44.0	16.3	75.0	65.3	9.7	3.2	2.4	.8
August	134.9	108.9	26.0	59.2	42.9	16.3	75.7	66.0	9.7	3.2	2.3	.9
September	134.6	109.0	25.6	59.5	43.3	16.2	75.1	65.7	9.4	3.2	2.3	. 9
Average, 3d quarter	135.0	109.1	25.9	59.7	43.4	16.3	75.3	65.7	9.6	3.2	2.3	.9
October	133.0	107.5	25.5	58.5	42.3	16.2	74.5	65.2	9.3	2.5	1.8	.7
November	129.9	104.4	25.5	56.8	40.9	15.9	73.1	63.5	9.6	2.2	1.5	.7
December	128.5	103.2	25.3	55.8	40.0	15.8	72.7	63.2	9.5	2.0	1.3	. 7
Average, 4th quarter	130.4	105.0	25.4	57.0	41.0	16.0	73.4	64.0	9.4	2.2	1.5	.7
1983 average	129.3	104.0	25.3	57.6	41.7	15.9	71.7	62.3	9.4	2.7	1.9	.8
From	129.3	104.0	25.3		41.7 - 4th quarter				9.4	2.7	1.9	
3d quarter 1983 4th quarter	-4.6	-4.1	5	-2.7	-2.4	3	-1.9	-1.7	2	-1.0	8	2
1982	9.3R	9.4R	1	2.3R	2.3R	0	7.0R	7.1R	1R	0	.1	1
					- Year 1983 c	hange in emp	loyment -					
rom year 1982	8.9	9.5	6	2.4	2.7	3	6.5	6.8	3	.1	.1	0

Source--State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excludes furniture). The paper and allied products industry includes pulp, paper, paper-board, and building board products. Since April 1974, employment data have been based on place of residence.

 $^1\mathrm{Before}$  1973, data for the pulp and allied products industry are included in the lumber and wood products industry.

<sup>2</sup>Withheld to avoid disclosure.

R = revised.

Table 5--Employment in forest products industries in California, 1972-83 (In thousands of persons)

YEAR	TOTAL	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS
1972	90.3	52.4	37.9
1973	90.2	54.1	36.1
1974	88.2	50.9	37.3
1975	87.3	52.8	34.5
1976	96.6	59.9	36.7
1977	104.2	66.6	37.6
1978	107.1	69.9	37.2
1979	107.8	68.7	39.1
1980	101.3	62.6	38.7
1981	96.6	57.9	38.7
1982 1983	83.7	46.2	37.5
January	79.2	42.8	36.4
February	80.4	44.0	36.4
March	73.1	36.4	36.7
Average, 1st quarter	77.6	41.1	36.5
200 quai voi			0000
April	83.0	46.6	36.4
May	86.1	49.3	36.8
June	90.1	52.6	37.5
Average,		<del></del>	
2d quarter	86.4	49.5	36.9
July	92.8	54.8	38.0
August	93.8	55.9	37.9
September	95.3	57.0	38.3
Average, 3d quarter	94.0	55.9	38.1
Octobon			
October			
November December			
Average, 4th quarter			
1983 average			
	3d	quarter 1983 change in	n employment
rom			
2d quarter 1983	7.6	6.4	1.2
3d quarter 1982	7.7	7.2	• 5

Source--State of California, Department of Employment. Since April 1974, data have been based on place of residence.

Table 6--Employment in forest products industries in Montana and Idaho, 1972-83 (In thousands of persons)

	10M	ITANA		IDAHO	
YEAR	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS	TOTAL	LUMBER AND WOOD PRODUCTS	PAPER AND ALLIED PRODUCTS
1972	9.2	1/	15.2	14.1	1.1
1973	9.8	$ \frac{\frac{1}{1}}{\frac{1}{1}} $ $ \frac{\frac{1}{1}}{\frac{1}{1}} $ $ \frac{\frac{1}{1}}{\frac{1}{1}} $ $ \frac{\frac{1}{1}}{\frac{1}{1}} $	16.3	15.1	1.2
1974	9.5	$\frac{1}{4}$	15.7	14.6	1.1
1975	8.1	$\frac{1}{1}$	16.8	15.7	1.1
1976 1977	9.1 9.3	$\frac{1}{1}$	18.6 19.0	17.4	1.2
1978	10.7	$\frac{1}{1}$	20.1	17.8 18.8	1.2 1.3
1979	11.1	1/	19.9	18.5	1.4
1980	8.7	$\frac{1}{1}$	17.5	16.1	1.4
1981	8.8	$\frac{1}{1}$	16.6	15.1	1.5
1982	6.8R	· <del>1</del> /	13.6	12.1	1.5
1983	0.0		10.0	16.1	1.5
January	7.5R	1/	13.3R	11.8R	1.5
February	7.8R	ī/	13.5R	12.OR	1.5
March	7.5R	$\frac{1}{1}$ / $\frac{1}{1}$ /	13.OR	11.5R	1.5
Average,	7.6R	1 /	12.20	11 00	1.5
1st quarter	/ • OK	<u>1</u> /	13.3R	11.8R	1.5
April	7.7R	$\frac{1}{1}$ / $\frac{1}{1}$ /	13.6	12.1	1.5
May	7.8R	$\overline{1}/$	14.8	13.3	1.5
June	8.2R	1/	16.1	14.6	1.5
Average, 2d quarter	7.9K	1/	14.8	13.3	1.5
July	8.3R	1/	16.6	15.1	1.5
August	8.4R	1/	17.7	16.1	1.6
September	8.2R	$\frac{1}{\underline{1}}$	17.6	16.0	1.6
Average, 3d quarter	8.3R	<u>1</u> /	17.3	15.7	1.6
0-4-1	0.0	2.4	17 1	15.5	1. 6
October November	8.2 8.1	$\frac{1}{1}$	17.1 16.7	15.5 15.0	1.6 1.7
December	7.9	$\frac{\frac{1}{1}}{\frac{1}{1}}$	16.0	14.4	1.6
Average,	0.1	• /	16.6	15.0	1.6
4th quarter	8.1	1/	16.6	15.0	1.6
1983 average	8.0	<u>1</u> /	15.6	14.0	1.6
From		4th quarter	1983 change i	n employment	
3d quarter 1983	2R		7	7	0
4th quarter 1982	1.3		2.6R	2.5R	.1
		Year 1983	change in en	nployment	
From year 1982	1.2R		2.0	1.9	.1

Source--State employment agencies. Since April 1974, employment data have been based on place of residence.

 $<sup>\</sup>underline{1}$ /Withheld to avoid disclosing figures for individual companies.

R = revised.

Table 7--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In thousand board feet, Scribner scale)

		FR011 801	TH STATES		FROM WASH	INGTON CUSTON	S 01STR1CT	F	ROM OREGON CI	JSTOMS 01ST	R1CT
YEAR AND QUARTER	TOTAL	00 UGLAS- F1R	PORT- ORFORD- CEDAR	OTHER SOFTWOODS	TOTAL	00UGLAS- F1R	OTHER SOFTWOODS	TOTAL	00UGLAS- F1R	PORT - ORFORO - CEOAR	OTHER SOFTWOOOS
					TO ALL	COUNTRIES					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	2,637,148 2,639,210 2,189,367 2,225,487 2,737,074 2,555,615 2,847,394 3,233,652 2,631,817 1,987,159	767,496 864,474 715,514 765,840 945,649 966,763 1,139,267 1,309,179 1,262,210 1,017,154	36,907 20,966 17,481 24,361 26,576 16,721 24,493 22,693 12,300 15,520	1,832,745 1,753,770 1,456,372 1,435,286 1,764,849 1,572,131 1,633,634 1,901,780 1,357,307 954,485	1,907,235 1,833,293 1,423,570 1,427,387 1,792,944 1,674,860 1,915,979 2,249,963 1,699,138 1,315,882	566,487 555,324 404,884 437,290 527,889 556,419 619,500 732,392 645,073 579,034	1,340,748 1,277,969 1,018,686 990,097 1,265,055 1,118,441 1,296,479 1,517,571 1,054,065 736,848	729,913 805,917 765,797 798,100 944,130 880,755 931,415 983,689 932,679 671,277	201,009 309,150 310,630 328,550 417,760 410,344 519,767 576,787 617,137 438,120	36,907 20,966 17,481 24,361 26,576 16,721 24,493 22,693 12,300 15,520	491,997 475,801 437,686 445,189 499,794 453,690 387,155 384,209 303,242 217,637
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	637,603 610,403 704,696 614,942	339,716 365,318 392,460 330,341	3,725 2,731 1,704 3,139	294,162 242,354 310,532 281,462	405,752 349,134 446,910 394,997	179,234 171,695 201,785 177,130	226,518 177,439 245,125 217,867	231,851 261,269 257,786 219,945	160,482 193,623 190,675 153,211	3,725 2,731 1,704 3,139	67,644 64,915 65,407 63,595
1982 total	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	577,494 609,927 762,363 641,735	305,497 333,481 416,444 362,296	1,963 1,486 3,063 2,420	270,034 274,960 342,856 277,019	401,147 412,019 514,979 411,631	181,023 187,493 239,157 188,626	220,124 224,526 275,822 223,005	176,347 197,908 247,384 230,104	124,474 145,988 177,287 173,670	1,963 1,486 3,063 2,420	49,910 50,434 67,034 54,014
1983 total	2,591,519	1,417,718	8,932	1,164,869	1,739,776	796,299	943,477	851,743	621,419	8,932	221,392
					ТО	JAPAN					
1 972 1 973 1 974 1 975 1 976 1 977 1 978 1 979 1 980 1 981	2,391,163 2,455,485 1,975,575 2,014,244 2,547,037 2,348,325 2,521,885 2,959,726 2,344,322 1,603,941	692,308 822,160 638,225 732,264 901,911 933,813 1,103,562 1,279,177 1,175,407 846,474	36,907 20,966 17,342 24,361 24,573 16,721 22,814 20,611 12,300 15,495	1,661,948 1,612,359 1,320,008 1,257,619 1,620,553 1,397,791 1,395,509 1,659,938 1,156,615 741,972	1,678,846 1,663,203 1,237,653 1,255,817 1,623,064 1,496,627 1,630,247 1,998,315 1,488,494 1,003,391	496,201 520,373 341,890 410,721 491,451 526,255 589,654 705,921 602,605 452,724	1,182,645 1,142,830 895,763 845,096 1,131,613 970,372 1,040,593 1,292,394 885,889 550,667	712,317 792,282 737,922 758,427 923,973 851,698 891,638 961,411 855,828 600,550	196,107 301,787 296,335 321,543 410,460 407,558 513,908 573,256 572,802 393,750	36,907 20,966 17,342 24,361 24,573 16,721 22,814 20,611 12,300 15,495	479,303 469,529 424,245 412,523 488,940 427,419 354,916 367,544 270,726 191,305
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	490,917 344,717 474,753 427,800	279,704 196,034 281,511 233,385	3,725 2,731 1,677 3,139	207,488 145,952 191,565 191,276	287,202 189,154 271,741 244,806	133,825 85,725 131,830 106,269	153,377 103,429 139,911 138,537	203,715 155,563 203,012 182,994	145,879 110,309 149,681 127,116	3,725 2,731 1,677 3,139	54,111 42,523 51,654 52,739
1982 total	1,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	409,186 418,508 400,394 363,198	214,008 241,044 230,422 210,242	1,963 1,486 3,063 2,420	193,215 175,978 166,909 150,536	252,587 253,590 228,968 198,539	102,641 122,555 112,900 92,341	149,946 131,035 116,068 106,198	156,599 164,918 171,426 164,659	111,367 118,489 117,522 117,901	1,963 1,486 3,063 2,420	43,269 44,943 50,841 44,338
1983 total	1,591,286	895,716	8,932	686,638	933,684	430,437	503,247	657,602	465,279	8,932	183,391

Table 7-Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In thousand board feet, Scribner scale)

		FROM 8	BOTH STATES		FROM WA	SHINGTON CUSTO	MS OISTRICT		FROM OREGON (	CUSTOMS OI	STRICT
EAR AND WARTER	TOTAL	OOUGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOODS	TOTAL	00UGLAS- FIR	OTHER SUFTWOOOS	TOTAL	00UGLAS- FIR	PORT - ORFORO - CEOAR	OTHER SOFTWOOD
					TO CA	NAOA					
972 973 974 975 976 977	170,582 72,164 73,664 58,506 48,289 15,698	43,294 22,265 39,060 16,793 14,803 9,531		127,288 49,899 34,604 41,713 33,486 6,167	159,359 72,164 73,664 58,506 48,289 15,698	43,294 22,265 39,060 16,793 14,803 9,531	116,065 49,899 34,604 41,713 33,486 6,167	11,223			11,223
978 979 980 981 982	12,638 24,124 985 1,332	9,361 7,737 395 392		3,277 16,387 590 940	12,638 24,124 985 1,332	9,361 7,737 395 392	3,277 16,387 590 940	  			
1st qtr. 2d qtr. 3d qtr. 4th qtr.	2,528 1,973 129 127	463 48 40 84		2,065 1,925 89 43	2,528 1,973 129 127	463 48 40 84	2,065 1,925 89 43				
1982 total	4,757	635		4,122	4,757	635	4,122				
983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	120 3,014 50 2,032	397  		120 2,617 50 2,032	120 3,014 50 2,032	397 	120 2,617 50 2,032				
1983 total	5,216	397		4,819	5,216	397	4,819				
					TO SOUTH	I KOREA			<del></del>		
972 973 974 975 976 977 978 979 980 981 982	47,554 101,929 137,665 79,022 130,069 187,967 307,865 245,314 191,387 147,833	4,419 15,175 36,308 13,946 26,454 21,201 24,844 20,342 11,796 10,919		43,135 86,754 101,357 65,076 103,615 166,766 283,021 224,972 179,591 136,914	46,304 96,680 111,580 42,100 117,007 162,252 271,887 227,072 163,988 132,675	4,419 12,063 23,378 9,100 21,068 20,418 20,426 18,663 9,549 9,333	41,885 84,617 88,202 33,000 95,939 141,834 251,461 208,419 154,439 123,342	1,250 5,249 26,085 36,922 13,062 25,715 35,978 18,242 27,399 15,158	3,112 12,930 4,846 5,386 783 4,418 1,689 2,247 1,586		1,250 2,13 13,15 32,07 7,67 24,93 31,56 16,55 25,15 13,57
1st qtr. 2d qtr. 3d qtr. 4th qtr.	58,840 51,309 68,273 76,314	4,644 5,905 7,784 9,476	  	54,196 45,404 60,489 66,838	50,669 38,136 66,427 64,894	4,544 2,737 7,784 8,776	46,125 35,399 58,643 56,118	8,171 13,173 1,846 11,420	100 3,168  700		8,07 10,00 1,84 10,720
1982 total	254,736	27,809		226,927	220,126	23,841	196,285	34,610	3,968		30,64
983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	60,064 79,983 81,133 64,458	2,551 11,588 2,245 3,004		57,513 68,395 78,888 61,454	53,230 74,359 72,394 59,385	2,358 11,407 730 1,911	50,872 62,952 71,664 57,474	6,834 5,624 8,739 5,073	193 181 1,515 1,093		6,641 5,443 7,224 3,980
1983 total	285,638	19,388		266,250	259,368	16,406	242,962	26,270	2,982		23,288
					TO MAINLA	NO CHINA					
980 981 982	87,785 219,237	69,901 149,592		17,884 69,645	43,271 170,779	31,884 111,058	11,387 59,721	44,514 48,458	38,017 38,534		6,497 9,924
1st qtr. 2d qtr. 3d qtr. 4th qtr.	79,715 203,944 143,635 105,808	53,813 157,466 95,143 83,625		25,902 46,478 48,492 22,183	60,090 117,366 98,120 83,186	39,523 82,557 61,115 61,003	20,567 34,809 37,005 22,183	19,625 86,578 45,515 22,622	14,290 74,909 34,028 22,622		5,335 11,669 11,487
1982 total	533,102	390,047		143,055	358,762	244,198	114,564	174,340	145,849		28,491
983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	104,596 106,859 280,401 207,384	86,035 78,958 183,392 148,635		18,561 27,901 97,009 58,749	94,305 79,999 213,563 147,551	75,744 52,098 125,523 94,211	18,561 27,901 88,040 53,340	10,291 26,860 66,838 59,833	10,291 26,860 57,869 54,424		8,969 5,409
1983 total	699,240	497,020		202,220	535,418	347,576	187,842	163,822	149,444		14,378

Source--U.S. Department of Commerce. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 8--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In thousand dollars)

		FROM BO	TH STATES		FROM WASH	IINGTON CUSTOMS	OISTRICT	F	ROM OREGON C	USTOMS OISTF	ICT
YEAR AND QUARTER	TOTAL	00UGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOOS	TOTAL	00UGLAS- FIR	OTHER SOFTWOOOS	TOTAL	00UGLAS- FIR	PORT - ORFORD - CEOAR	OTHER SOFTWOODS
					TO ALL	COUNTRIES					
	358,713 694,602 612,521 603,854 775,113 826,698 992,207 1,408,036 1,308,858 882,942	101,467 209,417 194,137 202,377 266,523 311,269 413,645 624,090 634,898 476,653	12,089 15,451 17,556 16,758 20,086 17,049 24,923 24,419 16,596 24,911	245,157 469,734 400,828 384,759 488,504 498,380 553,639 831,527 657,364 381,378	252,839 449,902 364,962 376,706 490,246 526,412 637,818 991,513 835,524 565,564	73,175 120,796 103,586 111,919 141,989 171,541 212,305 331,874 317,744 266,847	179,664 329,106 271,376 264,787 348,257 354,871 425,513 659,639 517,780 298,717	105,874 244,700 237,559 227,148 284,867 300,286 354,389 488,523 473,334 317,378	28,292 88,621 90,551 90,418 124,534 139,728 201,340 292,216 317,154 209,806	12,089 15,451 17,556 16,758 20,087 17,049 24,923 24,419 16,596 24,911	65,493 140,628 129,452 119,972 140,247 143,509 128,126 171,188 139,584 82,661
1st qtr. 2d qtr. 3d qtr. 4th qtr.	275,679 253,213 268,515 217,502	160,428 159,501 157,621 122,704	6,754 5,520 2,713 3,732	108,497 88,192 108,181 91,066	165,812 140,278 164,645 134,354	81,897 74,411 79,637 63,579	83,915 65,867 85,008 70,775	109,867 112,935 103,870 83,148	78,531 85,090 77,984 59,125	6,754 5,520 2,713 3,732	24,582 22,325 23,713 20,291
1982 total	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	195,146 209,168 263,851 224,271	105,276 117,059 148,529 129,314	2,847 1,905 3,679 2,576	87,023 90,204 111,643 92,381	130,221 138,401 171,681 140,215	59,513 64,817 82,611 65,370	70,708 73,584 89,070 74,845	64,925 70,767 92,170 84,056	45,763 52,242 65,918 63,944	2,847 1,905 3,679 2,576	16,315 16,620 22,573 17,536
1983 total	892,436	500,178	11,007	381,251	580,518	272,311	308,207	311,918	227,867	11,007	73,044
					то	JAPAN					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	335,703 664,363 569,494 560,754 734,412 776,630 908,627 1,387,602 1,190,875 740,943	94,210 201,944 177,961 195,469 256,673 303,248 404,134 612,160 593,484 404,395	12,089 15,451 17,500 16,758 17,918 17,049 22,763 22,271 16,596 24,889	229,404 446,968 374,033 348,527 459,821 456,333 481,730 753,171 580,795 311,659	231,593 422,715 338,296 341,885 457,248 484,006 566,494 910,338 750,369 451,171	66,800 115,022 90,400 107,149 134,894 164,626 204,832 323,034 297,359 213,444	164,793 307,693 247,896 234,736 322,354 319,380 361,662 587,304 455,010 237,727	104,110 241,648 231,198 218,869 277,164 292,624 342,133 477,264 440,506 289,772	27,410 86,922 87,561 88,320 121,779 138,622 199,302 289,126 296,125 190,951	12,089 15,451 17,500 16,758 17,918 17,049 22,763 22,271 16,596 24,889	64,611 139,275 126,137 113,791 137,467 136,953 120,068 165,867 127,785 73,932
1st qtr. 2d qtr. 3d qtr. 4th qtr.	223,023 148,450 187,946 156,924	134,435 87,432 114,656 88,162	6,754 5,520 2,673 3,732	81,834 55,498 70,617 65,030	123,575 77,612 104,744 86,116	62,238 37,512 52,556 38,532	61,337 40,100 52,188 47,584	99,448 70,838 83,202 70,808	72,197 49,920 62,100 49,630	6,754 5,520 2,673 3,732	20,497 15,398 18,429 17,446
1982 total	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233,847	18,679	71,770
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	146,567 152,519 147,765 136,197	77,446 88,469 85,702 79,554	2,847 1,905 3,679 2,576	66,274 62,145 58,384 54,067	87,522 91,862 82,897 73,844	35,794 44,781 41,772 34,324	51,728 47,081 41,125 39,520	59,045 60,657 64,868 62,353	41,652 43,688 43,930 45,230	2,847 1,905 3,679 2,576	14,546 15,064 17,259 14,547
1983 total	583,048	331,171	11,007	240,870	336,125	156,671	179,454	246,923	174,500	11,007	61,416

Table 8--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In thousand dollars)

		FROM BO	OTH STATES		FROM	WASHINGTON CUS	TOMS DISTRICT		FROM OREGON	CUSTOMS OI	STRICT
YEAR ANO QUARTER	TOTAL	00UGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOOS	TOTAL	00UGLAS- FIR	OTHER SOFTWOOOS	TOTAL	OOUGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOD
					TO CA	NAOA					
1972 1973 1974 1975 1976 1977 1978 1979 1980	14,041 9,593 13,821 8,313 7,908 3,545 2,933 7,223 323 463	2,984 2,900 8,239 2,937 2,733 2,154 2,129 2,435 133 173		11,057 6,693 5,582 5,376 5,175 1,391 804 4,788 190 290	13,349 9,593 13,821 8,313 7,908 3,545 2,933 7,223 323 463	2,984 2,900 8,239 2,937 2,733 2,154 2,129 2,435 133 173	10,365 6,693 5,582 5,376 5,175 1,391 804 4,788 190 290	692	     		692
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	487 <b>4</b> 72 47 62	58 23 19 37		429 449 28 25	487 472 47 62	58 23 19 37	429 449 28 25		  		
1982 total	1,068	137		931	1,068	137	931				
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	42 734 21 249	55 	  	42 679 21 249	42 734 21 249	 55  	42 679 21 249	  	  	  	
1983 total	1,046	55		991	1,046	55	991				
					TO SOUTH	KOREA					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	5,094 18,506 28,225 14,757 27,546 44,949 76,839 80,173 71,675 47,481	469 3,468 7,303 2,688 5,664 4,811 6,392 6,982 4,116 4,027		4,625 15,038 20,922 12,069 21,882 40,138 70,447 73,191 67,559 43,454	4,939 17,290 22,552 7,912 24,400 38,738 67,974 73,751 62,108 43,048	469 2,725 4,714 1,648 4,350 4,672 5,333 6,378 3,279 3,513	4,470 14,565 17,838 6,264 20,050 34,066 62,641 67,373 58,829 39,535	155 1,216 5,673 6,845 3,146 6,211 8,865 6,422 9,567 4,433	743 2,589 1,040 1,315 139 1,059 604 837 514	    	155 473 3,084 5,805 1,831 6,072 7,806 5,818 8,730 3,919
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	18,579 16,135 20,701 21,000	1,850 1,911 2,599 2,809	  	16,729 14,224 18,102 18,191	16,070 12,406 20,166 18,015	1,786 1,197 2,599 2,554	14,284 11,209 17,567 15,461	2,509 3,729 535 2,985	64 714  255		2,445 3,015 535 2,730
1982 total	76,415	9,169		67,246	66,657	8,136	58,521	9,758	1,033		8,725
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	16,208 22,775 25,787 20,006	843 3,224 616 798	  	15,365 19,551 25,171 19,208	14,391 21,177 22,689R 18,450	795 3,159 177R 499	13,596 18,018 22,512 17,951	1,817 1,598 3,098R 1,556	48 65 439R 299		1,769 1,533 2,659 1,257
1983 total	84,776	5,481		79,295	76,707	4,630	72,077	8,069	851		7,218
					TO MAINLA	NO CHINA					
1980 1981 1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	41,433 88,000 31,515 84,797 52,757 38,009	34,285 63,977 23,577 67,655 36,953 30,514	   	7,148 24,023 7,938 17,142 15,804 7,495	21,326 67,639 23,939 48,870 35,767 29,643	16,692 47,363 17,554 35,416 24,076 22,148	4,634 20,276 6,385 13,454 11,691 7,495	20,107 20,361 7,576 35,927 16,990 8,366	17,593 16,614 6,023 32,239 12,877 8,366		2,514 3,747 1,553 3,688 4,113
1982 total	207,078	158,699		48,379	138,219	99,194	39,025	68,859	59,505		9,354
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	31,285 32,554 90,005 66,614	26,108 24,756 61,938 48,814		5,177 7,7 <b>9</b> 8 28,067 17,800	28,007 24,254 66,071 46,650	22,830 16,456 40,659 30,504	5,177 7,798 25,412 16,146	3,278 8,300 23,934 19,964	3,278 8,300 21,279 18,310		2,655 1,654
1983 total	220,458	161,616		58,842	164,982	110,449	54,533	55,476	51,167		4,309

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 9--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1972-83 (In dollars per thousand board feet, Scribner scale)

		FROM	BOTH STATES		FROM WAS	HINGTON CUSTOM	S OISTRICT	FR	OM OREGON	CUSTOMS DISTE	RICT
YEAR ANO QUARTER	ALL SPECIES	OOUGLAS- FIR	PORT- ORFORO- CEOAR	OTHER SOFTWOOOS	ALL SPECIES	00UGLAS- FIR	OTHER SOFTWOOOS	ALL SPECIES	00UGLAS- FIR	PORT - ORFORO ~ CEOAR	OTHER SOFTWOOD
					TO ALL COL	JNTRIES					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	136.02 263.19 279.77 271.34 283.19 323.48 348.46 435.43 497.32 444.32	132.21 242.25 271.33 264.20 281.84 321.97 363.08 476.70 503.00 468.61	327.56 736.97 1,004.29 687.90 755.83 1,019.62 1,017.56 1,076.06 1,349.27	133.76 267.84 275.22 268.07 276.80 317.01 328.84 437.24 484.32 399.56	132.57 245.41 263.40 263.91 273.43 314.30 332.89 440.68 491.73 429.80	129.17 217.52 255.84 255.94 268.98 308.29 342.70 453.14 492.57 460.85	134.00 257.52 266.40 267.43 275.29 317.26 328.21 434.67 491.22 405.40	145.05 303.63 310.21 284.61 301.73 340.94 380.48 496.62 507.50 472.80	140.75 286.66 291.51 275.20 298.10 340.51 387.37 506.62 513.91 478.88	327.56 736.97 1,004.29 687.90 755.83 1,019.62 1,017.56 1,076.06 1,349.27 1,605.09	133.12 295.56 295.76 269.49 280.61 316.32 330.94 445.56 460.31 379.81
1st qtr. 2d qtr. 3d qtr. 4th qtr.	432.37 414.83 381.04 353.70	472.24 436.61 401.62 371.45	1,813.25 2,021.05 1,591.66 1,188.76	368.83 363.90 348.37 323.55	408.65 401.79 368.41 340.14	456.93 433.39 394.66 358.94	370.45 371.21 346.80 324.85	473.87 432.26 402.93 378.04	489.35 439.46 408.99 385.91	1,813.25 2,021.05 1,591.66 1,188.76	363.41 343.91 354.29 319.07
1982 average	395.27	420.40	1,656.70	350.88	378.94	410.40	352.46	422.12	430.85	1,656.70	345.51
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	337.92 342.94 346.10 349.48	344.61 351.02 356.66 356.93	1,450.33 1,282.24 1,201.21 1,064.65	322.27 328.06 325.63 333.48	324.62 335.91 333.37 340.63	328.76 345.70 345.42 346.56	321.22 327.73 322.92 335.62	368.17 357.58 372.58 365.30	367.65 357.85 371.82 368.19	1,450.33 1,282.24 1,201.21 1,064.65	326.88 329.54 336.74 324.65
1983 average	344.37	352.81	1,232.31	327.29	333.67	341.97	326.67	366.21	366.69	1,232.31	329.93
					TO JAI	PAN					
1972 1973 1974 1975 1976 1977 1978 1979 1980	140.39 270.56 288.27 278.39 288.34 330.72 360.30 468.83 507.98 461.95	136.08 245.63 278.84 266.94 284.59 324.74 366.21 478.56 504.92 477.74	327.56 736.97 1,009.12 687.90 729.17 1,019.62 997.76 1,080.54 1,349.27 1,606.26	138.03 277.21 283.36 277.13 283.74 326.47 345.20 453.73 502.15 420.04	137.95 254.16 273.34 272.24 281.72 323.40 347.49 455.55 504.11 449.65	134.62 221.04 264.41 260.88 274.48 312.83 347.38 457.61 493.35 471.47	139.34 269.24 276.74 277.76 284.86 329.13 347.55 454.43 511.36 431.71	146.16 305.00 313.31 288.58 299.97 343.58 383.71 496.42 514.71 482.51	139.77 288.03 295.48 274.68 296.69 340.13 387.82 504.36 516.98 484.95	327.56 736.97 1,009.12 687.90 729.17 1,019.62 997.76 1,080.54 1,349.27 1,606.26	134.80 296.63 297.32 275.84 281.15 320.42 338.30 451.28 472.01 386.46
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	454.30 430.64 395.88 366.82	480.63 446.01 407.29 377.76	1,813.25 2,021.05 1,594.30 1,188.76	394.40 380.25 368.63 339.98	430.27 410.31 385.45 351.77	465.07 437.58 398.66 362.59	399.91 387.71 373.01 343.47	488.17 455.36 409.84 386.94	494.91 452.55 414.88 390.43	1,813.25 2,021.05 1,594.30 1,188.76	378.79 362.10 356.77 330.81
1982 average	412.12	428.70	1,657.12	370.75	394.85	417.00	375.91	435.13	438.75	1,657.12	357.02
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	358.19 364.44 369.05 374.99	361.88 367.03 371.93 378.39	1,450.33 1,282.24 1,201.21 1,064.65	343.01 353.14 349.79 359.17	346.50 362.25 362.04 371.94	348.73 365.40 369.99 371.71	344.98 359.30 354.32 372.14	377.05 367.80 378.41 378.63	374.01 368.71 373.81 383.62	1,450.33 1,282.24 1,201.21 1,064.65	336.18 335.17 339.47 328.09
1983 average	366.40	369.73	1,232.31	350.80	360.00	363.98	356.59	375.49	375.04	1,232.31	334.89

Table 9--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1972-83 (continued) (In dollars per thousand board feet, Scribner scale)

		FROM	BOTH STATES		FROM WAS	HINGTON CUSTO	MS OISTRICT	FRO	4 OREGON CUST	OMS OISTR	RICT
YEAR AND QUARTER	ALL SPECIES	00UGLAS- FIR	PORT - ORFORO - CEDAR	OTHER SOFTWOODS	ALL SPEC1ES	00UGLAS- FIR	OTHER SOFTWOOOS	ALL SPECIES	00UGLAS- FIR	PORT - ORFORO- CEOAR	OTHER
					TO CAN	AOA					
1.972 1.973 1.974 1.975 1.976 1.977 1.978 1.979 1.980 1.980	82.31 132.94 187.62 142.09 163.76 225.82 232.08 299.41 327.92 347.60	68.93 130.26 210.93 174.89 184.62 226.00 227.43 314.72 336.71 441.33		86.86 134.14 161.31 128.88 154.54 225.56 245.35 292.78 322.03 308.51	83.77 132.94 187.62 142.09 163.76 225.82 232.08 299.41 327.92 347.60	68.93 130.26 210.93 174.89 184.62 226.00 227.43 314.72 336.71 441.33	80.30 134.14 161.31 128.88 154.54 225.56 245.35 292.18 322.03 308.51	61.66		     	61.66
.982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	192.82 239.10 366.17 487.47	125.96 474.38 471.58 441.27		207.82 233.23 318.80 571.86	192.82 239.10 366.17 487.47	125.96 474.38 471.58 441.27	207.82 233.23 318.80 571.86				
1982 average	224.51	215.75		225.86	224.51	215.75	225.86				
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	346.55 243.55 412.10 122.32	137.46	  	346.55 259.64 412.10 122.32	346.55 243.55 412.10 122.32	137.46	346.55 259.64 412.10 122.32	  	 		
1983 average	200.35	138.54		205.44	200.35	137.46	205.44				
					TO SOUTH	KOREA					
1.972 1.973 1.974 1.975 1.976 1.978 1.978 1.979 1.980	107.12 181.54 205.03 186.74 211.78 239.13 249.59 326.82 374.50 321.18	106.10 228.47 201.12 192.74 214.11 226.92 257.28 343.23 348.93 368.81		107-22 173.34 206.43 185.46 211.19 240.68 249.02 325.33 376.18 317.38	106.66 178.83 202.12 187.93 208.53 238.75 250.01 324.79 378.74 324.46	106.10 225.89 201.62 181.10 206.47 228.82 261.09 341.93 343.39 376.41	106.72 172.12 202.26 189.82 208.93 240.18 249.11 323.26 380.92 320.53	124.00 231.52 217.47 185.39 240.77 241.53 246.40 352.05 349.17 292.45	238.47 200.23 214.61 244.77 177.52 239.70 357.61 372.50 324.29		124.00 221.40 234.41 180.98 238.54 247.34 351.48 347.09 288.76
1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	315.76 314.45 303.22 275.17	398.43 323.56 333.84 296.39	  	308.68 313.27 299.27 272.17	317.06 325.30 303.58 277.60	393.11 437.30 333.84 290.99	309.68 316.64 299.57 275.51	307.05 283.04 290.00 261.39	640.00 225.29 364.07		302.92 301.33 290.00 254.68
1982 average	299.98	329.71		296.33	302.81	341.26	298.14	281.94	260.32		284.74
1983 1st qtr. 2d qtr. 3d qtr. 4th qtr.	269.84 284.75 317.84 310.38	330.54 278.24 274.32 265.82	  	267.15 285.85 319.08 312.56	270.36 284.80 313.41 310.68	337.14 276.99 241.77 261.18	267.26 286.22 314.13 312.33	265.85 284.04 354.58 306.85	250.01 357.48 290.00 273.93		266.31 281.60 362.13 315.89
1983 average	296.80	282.70		297.82	295.74	282.21	296.66	307.16	285.38		309.95
			.,		TO MAINLAN	O CHINA		**************************************			
1980 1981 1982 1st qtr. 2d qtr. 3d qtr. 4th qtr.	471.98 401.39 395.35 415.79 367.30 359.23	490.48 427.68 438.14 429.65 388.40 364.90		399.69 344.94 306.46 368.81 325.91 337.89	492.85 396.06 398.39 416.39 364.53 356.35	523.52 426.47 444.16 428.99 393.95 363.07	406.96 339.51 310.44 386.51 315.94 337.89	451.70 420.18 386.03 414.97 373.29 369.82	462.77 431.15 421.46 430.38 378.44 369.82		386.95 377.57 291.14 316.03 358.02
- 1982 average 1983 1st qtr. 2d qtr.	388.44 299.10 304.65	406.87 303.46 313.54		338.18 278.91 279.48	385.27 296.98 303.18	406.20 301.41 315.87	340.64 278.91 279.48	394.97 318.50 309.02	407.99 318.50 309.02		328.31
3d qtr. 4th qtr.	320.99 321.22	337.73 328.42		289.32 303.00	309.37 316.16	323.92 322.78	288.64 302.71	358.09 333.67	367.71 336.44		296.02 305.84
1983 average	315.28	325.17		290.98	308.14	317.77	290.31	338.64	342.38		299.69

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 10--Softwood log exports from northern California ports, by species and destination,  $1972\mbox{-}83^1$ 

(In thousand board feet, Scribner scale)

YEAR AND QUARTER	TOTAL	DOUGLAS-FIR	PORT-ORFORD- CEDAR	OTHER SOF TWOOOS
		TO ALL COUNTRIES		
1972 1973 1974 1975 1976 1977 1978 1979 1980	77,459 104,733 77,735 86,942 109,812 70,902 72,650 65,492 31,672 25,586	18,337 34,454 35,146 52,547 73,924 38,302 49,024 37,551 7,287 5,890	3,418 4,065 8,823 2,483 2,508 2,331 2,880 1,611 653 1,381	55,70 66,21 33,76 31,91 33,38( 30,26 20,74 26,33( 23,73) 18,31
1982 1st quarter 2d quarter 3d quarter 4th quarter	4,992 1,224 3,875 9,416	2,066 43 2,058 8,442	   6	2,92 1,18 1,81 96
1982 total	19,507	12,609	6	6,89
1983 1st quarter 2d quarter 3d quarter 4th quarter	9,263 4,414 8,401 11,441	2,675 951 2 15	300  	6,288 3,46 8,39 11,42
1983 total	33,519	3,643	300	29,57
		TO JAPAN		
1972 1973 1974 1975 1976 1977 1978 1979 1980	63,830 94,520 69,271 78,813 96,485 57,815 58,760 57,938 27,180 20,708	15,914 29,261 32,485 48,188 69,395 37,765 48,653 37,411 7,055 1,024	3,418 4,065 8,823 2,483 2,853 2,331 1,757 1,611 653 1,381	49,491 61,194 27,96 28,143 24,23 17,711 8,350 18,914 19,473
1982 1st quarter 2d quarter 3d quarter 4th quarter	3,526 66 3,854 1,576	600  2,055 615	   6	2,926 66 1,799 959
1982 total	9,022	3,270	6	5,74
1983 1st quarter 2d quarter 3d quarter 4th quarter	9,261 4,414 3,899 6,734	2,675 951  	300   	6,286 3,463 3,899 6,734
1983 total	24,308	3,626	300	20,382
		TO MAINLAND CHINA		
1982 1st quarter 2d quarter 3d quarter 4th quarter	1,466   7,826	1,466   7,816		
	9,292	9,282		10
1982 total 1983 1st quarter 2d quarter 3d quarter	2 4,500			4,500
4th quarter	3,800	a a		3,800
1983 total	8,302			8,302

Source--U.S. Oppartment of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

 $1_{\hbox{Northern}}$  California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Table 11--Softwood log exports by State and port, Washington, Oregon, and northern California, 1972-83 (In million board feet, Scribner scale)

						STATE OF WA	ASHINGTON 1					
YEAR AND QUARTER	ABERDEEN	ANACORTES BELLINGHA		RETT	LONGVIEW	OLYMPIA	PORT ANGELES	TACOMA		DRTHE ASTERN ASH INGTON	OTHER	TOTAL
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982-	525.1 491.5 396.2 366.8 502.1 402.1 512.2 648.7 498.2 414.3	100.9 84.5 49.2 32.2 30.5 42.1 41.1 50.9 38.0 16.7	25( 21) 23( 27) 23 32 33; 28)	8.9 0.4 7.7 0.0 7.2 7.7 1.8 2.8 7.3 8.4	221.3 328.7 300.2 261.3 397.4 328.2 325.8 366.1 387.0 215.9	144.6 86.9 61.5 48.6 7.5 68.7 87.1 101.0 80.2 47.3	285.6 306.0 273.5 284.7 324.5 304.6 387.2 505.0 295.1 168.D	517.4 511.1 383.0 469.2 623.7 607.6 559.7 601.7 497.1		0.2 0 	45.8 54.6 48.4 32.9 28.5 12.0 7.0 9.9 3.1 14.9	2,109.8 2,113.7 1,729.7 1,725.7 2,191.4 2,003.0 2,241.0 2,616.1 2,086.1 1531.8
1502 1st quarter 2d quarter 3d quarter 4th quarter	124.8 146.6 151.7 129.2	2.3 5.0 3.7 0	50 94	2.0 6.6 4.4 7.3	92.3 106.8 95.1 80.3	18.2 19.8 14.4 10.2	31.2 34.6 51.2 35.6	137.3 86.1 128.3 142.4		0	9.9 .4 3.2 .4	498.0 455.9 542.0 475.4
1982 total	552.3	11.0	310	0.3	374.5	62.6	152.6	494.1			13.9	1,971.3
1983 1st quarter 2d quarter 3d quarter 4th quarter	154.0 151.5 200.8 151.8	.2  .9 5.6	6	1.0 5.4 4.7 1.4	67.8 85.4 83.3 81.8	12.3 12.4 10.3 5.4	47.0 46.9 55.3 51.4	126.4 135.6 152.8 125.9		0 0	.2 .2 .1	468.9 497.4 598.2 493.4
1983 total	658.1	6.7	29	2.5	318.3	40.4	200.6	540.7			.6	2057.9
		STATE	OF OREG	ON1				NORTHERN	CALIFORN	IA2		
YEAR AND QUARTER	ASTORIA	COOS BAY P	ORTLANO	OTHER	TOTAL	EUREKA	A SACRA	AMENTO	STOCKTON	OTHER	TOTAL	
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	262.6 147.1 159.0 245.7 273.3 210.2 168.4 150.1 134.7 73.3	121.0 155.5 128.1 134.1 144.6 120.1 145.1 128.2 135.2 113.8	115.5 159.8 139.8 137.5 99.5 207.0 277.0 322.0 275.8 268.2	9.4 21.3 24.8 44.5 28.0 15.4 15.0 17.2 0	508.5 483.7 451.7 561.8 545.4 552.7 605.5 617.5 545.7 455.3	51.9 79.6 67.5 66.6 83.7 39.2 46.1 43.0 14.9	10 11 20 22 18	2.8 6.2 9.8 9.9 9.5 5.5 8.4 6.0 3.9	19.4 8.7 3.8 0 0 0	0.9 .2 .2 1.4  6.3 8.2 16.5 12.3	75.0 140.7 81.3 87.9 109.8 71.0 72.7 65.6 31.6 25.5	
1982 1st quarter 2d quarter 3d quarter 4th quarter	24.3 15.0 23.8 30.2	34.6 62.3 50.6 43.6	80.5 74.9 88.3 65.8	0 2.3 0	139.4 154.5 162.7 139.6	2.9 1.1 2.6 9.4	(	.7 0 0	0 0 0	0 0 1.2	3.6 1.1 3.9 9.4	
1982 total	93.3	191.1	309.5	2.3	596.2	16.0		.7	0	1.2	17.9	
1983 1st quarter 2d quarter 3d quarter 4th quarter	17.1 15.4 17.2 19.3	38.6 31.5 37.8 45.6	52.9 65.6 108.0 83.4	0 0 1.1 0	108.6 112.5 164.1 148.3	3.0 4.4 5.8 3.9	(	6.3 0 2.6 7.4	0 0 0	0	9.3 4.4 8.4 11.4	
1983 total	69.0	153.5	309.9	1.1	533.5	17.1	10	6.3	0	.1	33.5	

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Note: Totals may be off because of rounding.

1State totals as presented here for Washington and Oregon do not agree with those in table 7 because customs districts as used in table 7 do not correspond to State boundaries.

2Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Table 12--Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1972-83 (In dollars per thousand board feet, Scribner scale)

YEAR ANO QUARTER	ABEROEE	ANACOR N BELLIN		RETT	LONGV1EW	OLYMPIA	POR ANGE			HEASTERN HINGTON	OTHER	AVERAG
1972	134.28	128.	21 129	.47	144.82	146.76	129.	52 131.	82 14	6.73	123.50	133.86
973	264.23				288.82	284.15	215.			0	229.45	257.80
974	266.16				292.13	282.38	246.	79 274.	24		262.10	268.58
975	256.17			. 29	280.90	273.90	253.				279.01	266.30
976	269.90				302.53	302.53	261.			0	252.97	277.2
977	311.97	296.			336.01	331.68	294.		76		263.80	317.8
978	332.92	295.	77 334	87	379.57	347.93	319.				344.67	339.6
979	452.52			. 44	518.19	499.12	424.	46 428.			492.38	451.6
980	490.53				506.59	510.63	472.			0.95	538.84	495.7
981	394.52	461.	88 412	.74	462.85	447.21	396.	82 473.	08 30	7.74	3.06	428.3
982												
1st quarter	380.65				468.48	344.77	330.				361.85	426.9
2d quarter	384.93		24 393	.68	431.73	392.29	393.				516.93	408.80
3d quarter	345.40			.02	381.49	335.77	345.				365.36	370.7
4th quarter	305.42		314	.24	394.39	349.98	385.	10 373.	17	0	542.07	349.3
1982 average	354.51	374.	42 366	.86	420.02	358.61	362.	47 429.0	08		372.14	388.57
.983												
1st quarter	303.16				356.07	409.69	352.			1.54	371.31	329.3
2d quarter	312.44		334	46	356.59	457.21	325.			0	876.79	339.40
3d quarter	316.65				355.10	405.86	324.			0.21	416.59	336.4
4th quarter	324.25	343.	91 358	. 44	374.72	278.90	343.	10 351.4	12 (	0	334.42	346.28
1983 average	314.28	364.	25 345	. 30	361.03	405.78	336.	07 344.0	01 44	2.46	623.79	337.90
		STAT	E OF OREGON <sup>1</sup>					NORTHERN	CAL1FORN1A <sup>2</sup>			
	ASTORIA	COOS BAY	E OF OREGON <sup>1</sup> PORTLANO	OTHER	AVERAG	Ε !	EUREKA	NORTHERN (	STOCK TON	OTHER	AVERAGE	
U ARTER		COOS BAY	PORTLANO	· · ·				SACRAMENTO	STOCKTON			
UARTER 	127.03	COOS BAY	PORTLANO	140.31	147.35		129.24	SACRAMENTO	STOCKTON	129.17	144.52	
972 973	127.03 321.16	COOS BAY  194.93 348.95	PORTLANO 144.27 289.64	140.31 257.16	147.35 316.88		129.24 219.99	SACRAMENTO 189.29 226.77	STOCK TON 179.64 296.78	129.17 363.54	144.52 227.72	
UARTER 	127.03 321.16 300.21	194.93 348.95 363.95	PORTLANO  144.27 289.64 302.18	140.31 257.16 291.33	147.35 316.88 318.41		129.24 219.99 295.56	SACRAMENTO 189.29 226.77 317.05	STOCKTON 179.64 296.78 328.16	129.17 363.54 252.62	144.52 227.72 299.55	
UARTER 972 973 974 975	127.03 321.16 300.21 236.89	COOS BAY  194.93 348.95 363.95 349.97	PORTLANO  144.27 289.64 302.18 316.25	140.31 257.16 291.33 271.48	147.35 316.88 318.41 286.03		129.24 219.99 295.56 256.07	189.29 226.77 317.05 368.11	STOCKTON 179.64 296.78 328.16	129.17 363.54 252.62 452.10	144.52 227.72 299.55 284.62	
972 973 974 975 976	127.03 321.16 300.21 236.89 267.63	194.93 348.95 363.95 349.97 372.46	PORTLANO  144.27 289.64 302.18 316.25 337.44	140.31 257.16 291.33 271.48 253.76	147.35 316.88 318.41 286.03 307.45		129.24 219.99 295.56 256.07 292.15	189.29 226.77 317.05 368.11 367.73	STOCKTON 179.64 296.78 328.16 0	129.17 363.54 252.62 452.10	144.52 227.72 299.55 284.62 312.31	
UARTER 972 973 974 975 976 977	127.03 321.16 300.21 236.89 267.63 338.29	194.93 348.95 363.95 349.97 372.46 409.01	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22	140.31 257.16 291.33 271.48 253.76 318.00	147.35 316.88 318.41 286.03 307.45 349.32		129.24 219.99 295.56 256.07 292.15 333.34	189-29 226.77 317.05 368.11 367.73 337.06	STOCKTON 179.64 296.78 328.16	129.17 363.54 252.62 452.10	144.52 227.72 299.55 284.62 312.31 335.14	
UARTER  972 973 974 975 976 977	127.03 321.16 300.21 236.89 267.63 338.29 325.32	194.93 348.95 363.95 349.97 372.46 409.01 512.44	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77	140.31 257.16 291.33 271.48 253.76 318.00 330.78	147.35 316.88 318.41 286.03 307.45 349.32 389.23		129.24 219.99 295.56 256.07 292.15 333.34 353.99	189.29 226.77 317.05 368.11 367.73 337.06 362.18	STOCKTON  179.64 296.78 328.16 0 0	129.17 363.54 252.62 452.10  338.45 372.07	144.52 227.72 299.55 284.62 312.31 335.14 358.09	
972 973 974 975 976 977 978	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34	194.93 348.95 363.95 349.97 372.46 409.01 512.44 592.98	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59	147.35 316.88 318.41 286.03 307.45 349.32 389.23 483.38		129.24 219.99 295.56 256.07 292.15 333.34 353.99 336.29	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19	STOCKTON  179.64 296.78 328.16 0 0	129.17 363.54 252.62 452.10 	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65	
972 973 974 975 976 977 978 979 980	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99	194.93 348.95 363.95 349.97 372.46 409.01 512.44 592.98 604.08	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.22	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59	147.35 316.88 318.41 286.03 307.45 349.32 389.23 483.38 508.23		129.24 219.99 295.56 256.07 292.15 333.34 353.99 336.29 462.98	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28	179.64 296.78 328.16 0 0 0	129.17 363.54 252.62 452.10  338.45 372.07 447.84 535.17	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37	
972 973 974 975 976 977 978 979 980 980	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34	194.93 348.95 363.95 349.97 372.46 409.01 512.44 592.98	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59	147.35 316.88 318.41 286.03 307.45 349.32 389.23 483.38		129.24 219.99 295.56 256.07 292.15 333.34 353.99 336.29	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19	STOCKTON  179.64 296.78 328.16 0 0	129.17 363.54 252.62 452.10 	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37	
972 973 974 975 976 977 977 978 979 980 981	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99 340.14	194.93 348.95 363.95 349.97 372.46 409.01 512.44 592.98 604.08 635.05	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.22 448.55	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59	147.35 316.88 318.41 286.03 307.45 349.32 389.23 483.38 508.23 477.76		129.24 219.99 295.56 256.07 292.15 333.34 353.99 336.29 462.98 537.93	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28 492.22	179.64 296.78 328.16 0 0 0 0 379.65	129.17 363.54 252.62 452.10 	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37 488.61	
972 973 974 975 976 977 978 979 980 981 982 1st quarter	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99 340.14	194.93 348.95 363.95 349.97 372.46 409.01 512.44 592.98 604.08 635.05	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.22 448.55	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59 0	147.35 316.88 318.41 286.03 307.45 349.32 389.23 483.38 508.23 477.76		129.24 219.99 295.56 256.07 292.15 333.34 353.99 336.29 462.98 537.93 254.98	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28	179.64 296.78 328.16 0 0 0	129.17 363.54 252.62 452.10  338.45 372.07 447.84 535.17	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37 488.61	
JARTER  972 973 974 975 976 977 978 979 980 980 981 982 1st quarter 2d quarter	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99 340.14	194.93 348.95 363.95 349.97 372.46 409.01 512.44 592.98 604.08 635.05 662.94 495.97	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.22 448.55 428.37 395.56	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59 0	147.35 316.88 318.41 286.03 307.45 349.32 389.23 483.38 508.23 477.76		129.24 219.99 295.56 256.07 292.15 333.34 353.99 336.29 462.98 537.93	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28 492.22 279.64	\$TOCKTON 179.64 296.78 328.16 0 0  0 379.65 0	129.17 363.54 252.62 452.10  338.45 372.07 447.84 535.17 422.02	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37 488.61 269.51 384.06	
972 973 974 975 976 977 978 979 980 981 982 1st quarter 2d quarter 3d quarter	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99 340.14	194.93 348.95 363.95 349.97 372.46 409.01 512.44 592.98 604.08 635.05	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.22 448.55	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59 0	147.35 316.88 318.41 286.03 307.45 349.32 389.23 483.38 508.23 477.76		129.24 219.99 295.56 256.07 292.15 333.34 353.99 336.29 462.98 537.93 254.98	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28 492.22 279.64	\$TOCKTON 179.64 296.78 328.16 0 0 0 379.65 0	129.17 363.54 252.62 452.10  338.45 372.07 447.84 535.17 422.02	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37 488.61 269.51 384.06	
972 973 974 975 976 977 978 979 980 981 982 1st quarter 2d quarter 3d quarter	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99 340.14	194.93 348.95 363.95 363.95 372.46 409.01 512.44 592.98 604.08 635.05	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.22 448.55	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59 0	147.35 316.88 318.41 286.03 307.45 349.32 389.23 483.38 508.23 477.76 477.27 432.61		129.24 219.99 295.56 256.07 292.15 333.34 353.99 336.29 462.98 537.93 254.98 382.60 309.34	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28 492.22 279.64	STOCKTON  179.64 296.78 328.16 0 0 379.65 0 0 0	129.17 363.54 252.62 452.10  338.45 372.07 447.84 535.17 422.02	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37 488.61 269.51 384.06 346.75 363.40	
972 973 974 975 976 977 978 979 980 981 982 1st quarter 2d quarter 3d quarter 4th quarter	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99 340.14 374.36 356.55 320.14 273.91	194.93 348.95 363.95 349.97 372.46 409.01 512.44 592.98 604.08 635.05 662.94 495.97 444.68 445.04	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.22 448.55  428.37 395.56 424.05 361.47	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59 0	147.35 316.88 318.41 286.03 307.45 349.32 389.23 483.38 508.23 477.76 477.27 432.61 415.29 368.63		129.24 219.99 295.56 256.07 292.15 333.34 353.99 336.29 462.98 537.93 254.98 382.60 309.34 361.07	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28 492.22 279.64	STOCKTON  179.64 296.78 328.16 0 0 0 379.65 0 0 0 0	129.17 363.54 252.62 452.10  338.45 372.07 447.84 535.17 422.02  429.34 	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37 488.61 269.51 384.06 346.75 363.40	
972 973 974 975 976 977 977 978 979 980 981 982 1st quarter 2d quarter 4th quarter 4th quarter	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99 340.14 374.36 356.55 320.14 273.91	194.93 348.95 363.95 363.95 349.97 372.46 409.01 512.44 592.98 604.08 635.05 662.94 495.97 444.68 445.04	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.22 448.55 428.37 395.56 424.05 361.47	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59 0 0	147.35 316.88 318.41 286.03 307.45 349.32 389.23 477.76 477.27 432.61 415.29 368.63		129.24 219.99 295.56 292.15 333.34 353.99 336.29 462.98 537.93 254.98 382.60 309.34 361.07	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28 492.22 279.64	STOCKTON  179.64 296.78 328.16 0 0 379.65 0 0 0 0	129.17 363.54 252.62 452.10  338.45 372.07 447.84 535.17 422.02  429.34	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37 488.61 269.51 384.06 346.75 363.40 342.13	
972 973 974 975 976 977 978 979 987 981 982 1st quarter 3d quarter 3d quarter 4th quarter 1982 average 983 1st quarter	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99 340.14 374.36 356.55 320.14 273.91	194.93 348.95 363.95 349.97 372.46 409.01 512.44 592.98 604.08 635.05 662.94 495.97 444.68 445.04	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.52 448.55 428.37 395.56 424.05 361.47	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59 0	147.35 316.88 318.41 286.03 307.45 349.32 389.23 477.76 477.27 432.61 415.29 368.63		129.24 219.99 295.56 295.07 292.15 333.34 353.99 336.29 462.98 537.93 254.98 382.60 309.34 361.07	\$\$ACRAMENTO\$  189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28 492.22 279.64 279.64  378.55 0	\$TOCKTON  179.64 296.78 328.16 0 0 379.65 0 0 0 0 0 0	129.17 363.54 252.62 452.10  338.45 372.07 447.84 535.17 422.02  429.34 	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37 488.61 269.51 384.06 346.75 363.40	
3d quarter 4th quarter 1982 average 1983 1st quarter	127.03 321.16 300.21 236.89 267.63 338.29 325.32 461.34 452.99 340.14 374.36 356.55 320.14 273.91	194.93 348.95 363.95 363.95 349.97 372.46 409.01 512.44 592.98 604.08 635.05 662.94 495.97 444.68 445.04	PORTLANO  144.27 289.64 302.18 316.25 337.44 328.22 366.77 455.51 488.22 448.55 428.37 395.56 424.05 361.47	140.31 257.16 291.33 271.48 253.76 318.00 330.78 381.59 0 0	147.35 316.88 318.41 286.03 307.45 349.32 389.23 477.76 477.27 432.61 415.29 368.63		129.24 219.99 295.56 292.15 333.34 353.99 336.29 462.98 537.93 254.98 382.60 309.34 361.07	189.29 226.77 317.05 368.11 367.73 337.06 362.18 393.19 485.28 492.22 279.64	STOCKTON  179.64 296.78 328.16 0 0 379.65 0 0 0 0	129.17 363.54 252.62 452.10  338.45 372.07 447.84 535.17 422.02  429.34	144.52 227.72 299.55 284.62 312.31 335.14 358.09 369.65 492.37 488.61 269.51 384.06 346.75 363.40 342.13	

STATE OF WASHINGTON 1

320.00

362.85

369.15

315.41

370.37

345.23

1.028.53

1983 average

302.95

411.99

Source--U.S. Department of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

<sup>1</sup>State averages as presented here for Washington and Oregon do not agree with those found in table 9 because customs districts as used in table 9 do not correspond to State boundaries.

<sup>2</sup>Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Table 13--Volume and average value of softwood log exports from Alaska ports by destination, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

EAR ANO DUARTER	VOLUME	AVERAGE VALUE
	TO ALL COUNTRIES	
972	65,837	125.88
.973	71,719	248.23
.974 .975	34,949 29,011	240.82
.976	26,197	307.97 224.59
.977	52,377	263.54
978	68,025	320.45
.979	128,597	470.97
.980	160,523	532.56
.981 .982	149,187	480.54
1st quarter	13,052	510.48
2d quarter	51.503	491.59
3d quarter	83,964	488.14
4th quarter	92,604	457.95
1982 total and average value	241,123	478.49
983	271,120	470043
1st quarter	33,522	404.75
2d quarter	63,788	440.78 430.70
3d quarter 4th quarter	102,655 62,254	430.70
1983 total and	,	
average value	262,219	425.55
	TO JAPAN	
972	61,882	129.99
973	71,705	248.24
.974 975	29,088 24,311	252.71 352.29
976	20,741	253.18
977	46,897	278.99
978	57,653	343.49
979	120,753	475.21
.980	156,275	533.22
981 982	141,209	491.44
1st quarter	12,145	527.07
2d quarter	47,688	498.07
3d quarter	74,304	494.01
4th quarter	85,563	468.33
1982 total and average value	219,700	486.71
983	00.450	401 04
1st quarter	28,469 56,182	421.84 462.00
2d quarter 3d quarter	56,182 79,058	463.03
4th quarter	47,996	442.65
1983 total and average value	211,705	452.60
		432.00
	TO MAINLANO CHINA	
981 982	3,205	377.57
1st quarter	0	
2d quarter 3d quarter	0	
4th quarter	ő	
1982 total and average value	0	
983		
1st quarter	0	
2d quarter	0	202 04
3d quarter	7,275	293.94 314.98
Ath quarton		
4th quarter	8,316	02.1730
4th quarter 1983 total and average value	15,591	305.16

Source--U.S. Oppartment of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oata are compiled from Oppartment of Commerce records at the end of each quarter.

Table 14--Volume and value of hardwood log exports from ports of Washington, Oregon, Alaska, and northern California, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars)

YEAR ANO QUARTER		SHINGTON MS OISTRICT		REGON S DISTRICT		LASKA IS OISTRICT		RANCISCO S OISTRICT
ONNIER	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
			TO	D ALL COUNTR	1ES			
1972 1973 1974 1975 1976 1977 1978 1979	2,999 1,812 633 1,599 3,750 2,735 2,362 2,597 6,826	882,806 1,351,759 1,121,192 637,455 1,646,972 2,117,386 2,190,449 2,216,256 5,153,711	68 36 45 73 236 189 75 341 2,026	133,979 57,747 95,342 103,519 136,188 87,839 91,486 420,741 764,511	0 0 0 0 0 0 0 11 138 186	    19,250 253,716 44,960	1,320 1,084 560 3,911 659 1,396 1,772 1,272	2,015,85; 2,330,76; 1,515,47; 780,85; 1,239,77; 2,751,99; 4,088,46; 3,049,98;
1981 1982	3,416	3,173,191	439	470,373	0		683	2,260,96 1,422,54
1st quarter 2d quarter 3d quarter 4th quarter	757 1,276 1,098 657	570,264 975,968 596,836 751,733	75 12 236 12	84,642 34,519 56,494 41,808	0 0 0		133 371 88 31	287,24 849,25 193,89 33,83
1982 total	3,788	2,894,801	335	217,463	0		623	1,364,22
1983 1st quarter 2d quarter 3d quarter 4th quarter	1,926 719 477 1,320	1,000,110 486,610 422,808 720,183	34 7 222 111	60,676 9,100 73,327 27,750	0 0 0		32 20 166 23	73,50 16,78 126,39 11,62
1983 total	4,442	2,629,711	374	170,853	0		241	228,30
				TO JAPAN				
1972 1973 1974 1975 1976 1977 1978 1979 1980	1,374 993 540 1,210 3,313 1,444 1,178 1,824 4,786 2,037	727,475 1,164,704 1,063,245 562,583 1,416,317 1,179,616 819,332 1,153,644 1,969,245 2,162,473	64 34 37 14 235 17 57 300 1,964 229	130,080 56,842 84,293 9,039 134,988 33,347 84,025 359,119 726,891 264,161	0 0 0 0 0 0 0 0 74 182	188,389	1,126 1,015 485 3,803 456 1,063 1,248 1,059 579 310	1,761,79 2,250,21: 1,093,50: 636,79: 1,005,64 2,300,66 3,059,20: 2,339,08: 1,532,49: 742,99:
1982 1st quarter 2d quarter 3d quarter 4th quarter	225 350 482 408	170,982 515,986 124,445 400,666	7 12 13 3	11,107 34,519 12,070 6,808	0 0 0		89 275 48 5	193,48 615,67 94,04 8,78
1982 total	1,465	1,212,079	35	64,504	0		417	911,99
1983 1st quarter 2d quarter 3d quarter 4th quarter	529 174 296 257	495,749 176,659 153,970 92,030	22 7 100 100	22,516 9,100 25,000 25,000	0 0 0		32 20 9 0	73,50. 16,78 8,96
1983 total	1,256	918,408	229	81,616	0		61	99,25
			TO	MAINLANO CH	INA			
1980 1981 1982	6	2,800	0		0			-
1st quarter 2d quarter 3d quarter 4th quarter	45 0 0 0	45,000   	0 0 0		0 0 0		0 0 0	-
1982 total	45	45,000	0		0		0	-
1983 1st quarter	0		0 0 100	  22,500	0 0 0		0 0 0	-
2d quarter 3d quarter 4th quarter	0		0		0		0	

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oata are compiled from Department of Commerce records at the end of each quarter. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Alaska Customs District is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey, California.

Table 15--Log exports from southern California ports, by species, 1972-83

(In thousand board feet, Scribner scale)

YEAR AND QUARTER	TOTAL	DOUGLAS- FIR	OTHER SOFTWOODS	HARDWOODS
1972	631	203	92	336
1973	445	214	5	226
1974	378	32	130	216
1975	288	11	224	53
1976 1977	2,396	1,411 169	670 411	315 780
1977	1,360 1,721	172	917	632
1979	2,117	290	359	1,468
1980	1,149	295	610	244
1981	738	88	186	464
1982	, 00	00	100	101
1st quarter	209	3	27	179
2d quarter	103	4	28	71
3d quarter	56	0	42	14
4th quarter	429	274	114	41
1982 total	797	281	211	305
1002				
1983 1st quarter	20	0	0	20
2d quarter	93	0	22	71
3d quarter	330	0	0	330
4th quarter	231	Ö	9	222
1983 total	674	0	31	643

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions which may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 16--Volume and average value of softwood log exports to Canada from the Montana Customs District,  $1972-83\frac{1}{2}$ /

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

	ALL	SPECIES	DOUGLA	S-FIR	OTHER S	OF TWOODS
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
1972	392	113.71	19	162.89	373	111.20
1973	379	177.58	93	261.16	286	150.40
1974	925	178.24	19	149.05	906	178.86
1975	739	226.93	72	274.78	667	221.76
1976	571	228.43	103	254.08	468	222.78
1977	1,227	247.66	467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0		3,906	168.47
1980	699	239.88	36	303.53	663	236.42
1981 1982	477	362.68	123	475.06	354	323.64
1st quarter	142	273.20	16	203.81	126	282.01
2d quarter	64	349.36	0		64	349.36
3d quarter	58	340.50	0		58	340.50
4th quarter	154	250.44	0		154	250.44
1982 total and						
average value	418	285.81	16	203.81	402	289.07
1983						
1st quarter	63	310.65	0		63	310.65
2d quarter	317	254.09	0	460 64	317	254.09
3d quarter	111	284.59	11	460.64	100	265.23
4th quarter	134	242.75	0		134	242.75
1983 total and average value	625	262.78	0		614	259.23

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

<sup>1</sup> Montana Customs District includes all ports in Montana and Idaho.

Table 17--Log exports from British Columbia ports, by species and destination,  $1972-83\frac{1}{2}$ / (In thousand board feet, British Columbia log scale)

EAR AND WARTER	TOTAL, ALL SPECIES	DOUGLAS- FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO ALL	COUNTRIES			
972	55,866	836	13,956	18,477	14,958	3,965	3,674
973	35,716	1,852	9,750	7,441	13,647	1,211	1,815
974	148,801	11,790	31,528	67,843	27,355	4,973	5,312
975	85,082	2,406	18,914	19,373	41,416	1,505	2,188
976	116,193	5,390	39,069	21,901	41,959	3,346	4,528
977	186,511	10,085	118,085	36,048	19,835	754	1,704
978	128,853	8,592	24,467	45,143	49,767	530	354
979	169,107	2,431	56,504	56,954	43,201	4,135	5,882
980	231,784	8,907	106,193	49,590	36,756	12,155	18,183
981	184,481	856	98,579	24,616	37,774	18,943	3,713
982 1st guanton	E1 064	160	24 400	11 262	0.072	F 160	4
1st quarter 2d quarter	51,064 48,932	169 5,360	24,488 13,416	11,263 8,730	9,972 9,928	5,168 9,742	4 1,756
3d quarter	72,310	17,262	17,169	9,655	9,830	12,973	5,421
4th quarter		25,401	20,658	8,357	10,716	9,204	6,250
quai oci					10,710	J, LUT	0,230
1982 total	252,892	48,192	75,731	38,005	40,446	37,087	13,431
983	400 45-55	44 5:0					
1st quarter		44,710	41,072	4,176	17,097	17,360	11,021
2d quarter	107,628	30,266	27,731	3,065	12,059	7,811	26,696
3d quarter	113,857	16,712	53,585	3,550	15,890	14,808	9,312
4th quarter	124,456	32,801	56,749	11,774	9,854	12,700	578
1983 total	481,377	124,489	179,137	22,565	54,900	52,679	47,607
			TO	JAPAN			
072	46.050	567	12 470	12 412	14 020	2 664	
1972	46,059	567	13,478	13,412	14,938	3,664	0
973 9 <b>7</b> 4	29,239 80,655	1,293	8,058 22,968	6,205 31,915	13,284 16,503	399 2,304	4,798
97 <del>4</del> 975	61,728	2,167 1,460	10,477	7,696	39,470	1,253	1,372
976	67,192	792	17,026	7,343	39,905	470	1,656
977	109,301	5,106	65,092	23,413	15,489	201	0
978	90,001	4,094	16,890	24,038	44,814	99	66
979	120,297	1,894	49,281	27,597	35,883	3,636	2,056
980	154,824	1,692	61,500	35,346	36,157	6 <b>,9</b> 39	13,190
.981	131,321	698	71,645	17,427	31,541	10,010	0
.982							
1st quarter		163	18,649	11,263	9,530	2,316	0
2d quarter	14,779	84	4,177	3,286	4,211	3,021	0
3d quarter	41,823	6,187	12,879	5,257	8,461	8,413	626
4th quarter	31,934	1,771	15,898	3,653	7,604	3,008	0
1982 total	130,457	8,205	51,603	23,459	29,806	16,758	626
983							
1st quarter		15,996	35,674	4,346	11,558	4,907	0
2d quarter	40,003	10,139	10,968	3,062	9,547	6,258	29
3d quarter	57,843	10,011	29,757	3,275	10,718	4,082	0
4th quarter	70,884	19,120	27,242	9,637	8,174	6,469	242
	241,211	55,266	103,641	20,320	39,997	21,716	271

Table 17--Log exports from British Columbia ports, by species and destination,  $1972-83\frac{1}{2}$  (continued) (In thousand board feet, British Columbia log scale)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS- FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO UNI	TED STATES			
1972	9,807	269	478	5,065	20	301	3,674
1973	6,471	559	1,692	1,236	363	812	1,809
1974	68,146	9,623	8,560	35,928	10,852	2,669	514
1975	23,354	946	7,717	11,677	1,946	252	816
1976	48,911	4,598	22,043	14,558	1,964	2,876	2,872
1977	74,442	4,979	50,817	12,043	4,346	553	1,704
1978	32,843	4,498	6,039	19,144	2,443	431	288
1979	48,810	537	7,223	29,357	7,368	499	3,826
1980	76,955	7,215	44,693	14,244	594	5,216	4,993
1981	50,324	158	26,934	7,189	4,340	8,879	2,824
1982	,		,	, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-,	-,
1st quarter	9,143	6	5,839	0	442	2,852	4
2d quarter	18,413	40	6,732	3,619	775	6,436	811
3d quarter	15,114	45	5,910	2,960	1,369	4,560	270
4th quarter	21,230	1,433	4,760	4,126	3,109	6,196	1,606
1982 total	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983							
1st quarter	20,371	2,790	5,398	370	2,443	7,562	1,808
2d quarter	23,402	1,441	16,763	0	2,512	1,553	1,133
3d quarter	42,673	2,672	23,828	275	5,172	10,726	0
4th quarter		4,407	13,451	316	1,650	5,808	427
1983 total	112,505	11,310	59,440	961	11,777	25,649	3,368
			MIAM OT	NLAND CHINA			
1982							
lst quarter	0	0	0	0	0	0	0
2d quarter	9,023	5,226	0	0	3,787	0	0
3d quarter	11,030	11,030	0	0	0,707	0	4,472
4th quarter	26,636	22,197	0	0	0	0	4,439
ion qual ecr							.,,,,,,
1982 total	46,689	38,463	0	0	3,787	0	8,911
1000							
1983	42 104	05 004	0	0	2 000	4 001	0.012
1st quarter	43,124	25,924	0	0	3,096	4,891	9,213
2d quarter	44,220	18,686	0	0	0	0	25,534
3d quarter	4,029	4,029	0	0	0	0	0 313
4th quarter	18,981	9,274		0	0	395	9,312
1983 total	110,354	57,913	0	0	3,096	5,286	44,059

 $Source--Bureau\ of\ Economics\ and\ Statistics,\ Department\ of\ Industrial\ Development,\ Trade,\ and\ Commerce,\ Victoria,\ B.C.,\ "Preliminary\ Statement\ of\ External\ Trade."$ 

<sup>&</sup>lt;sup>1</sup>Figures do not include shipments of pulpwood logs.

R = revised.

Table 18--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1972-83

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

YEAR AND QUARTER	VOLUME	AVERAGE VALUE
1972	8,451	80.44
1973	2,102	124.71
1974	31,625	248.69
1975	55,494	207.13
1976	44,438	122.62
1977	91,962	194.93
1978	41,307	271.29
1979	75,855	298.89
1980	51,828	233.08
1981 1982	33,985	319.77
1st quarter	9,145	314.18
2d quarter	12,099	340.07
3d quarter	13,146	304.62
4th quarter	25, 102	304.55
1982 total and average value	59,492	313.27
3		
1983		
1st quarter	27,366	255.60
2d quarter	9,803	161.82
3d quarter	21,593	214.60
4th quarter	17,912	227.86
1983 total and average value	76,674	225.58

Source--U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

Table 19--Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1972-83

	CHIPPED P	PULPWOOD	ROUNDWOOI	D PULPWOOD
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE
	Short tons	Dollars	Cords	Dollars
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	909,926 1,085,124 623,830 493,761 877,550 1,056,102 1,215,483 1,039,458 1,185,701 1,160,507  350,630 357,400 275,629 264,154	9.87 11.19 15.55 23.36 20.98 18.59 16.37 17.19 26.77 32.33 33.44 35.98 29.92 27.57	2,300 16 31,998 11,517 1,967 16,674 0 0 57,337 23,084 0 7,659 661 0	47.56 97.06 60.08 42.90 32.14 91.19  66.64 130.11
1982 total and average value	1,247,813	32.15	8,320	139.24
1983 1st quarter 2d quarter 3d quarter 4th quarter	337,359 371,580 394,400 324,151	26.69 23.22 23.96 23.69	0 0 0 0	
1983 total and average value	1,427,490	24.32	0	

Source--U.S. Department of Commerce Data are compiled from Department of Commerce records at the end of each quarter.

Table 20--Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1972-83

(In short tons, ovendried basis; average value in dollars per short ton)

	WASHII CUSTOMS D		OREGO CUSTOMS DI		SAN FRA CUSTOMS	NCISCO DISTRICT		SKA DISTRICT
YEAR AND QUARTER	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
1972	168,725	19.56	2,081,032	22.12	253,401	27.76	20,158	25.76
1973	272,196	21.84	2,778,829	24.85	369,403	24.41	0	
1974	390,370	28.62	3,177,465	26.50	242,017	30.69	34,828	28.99
1975	326,083	38.56	2,436,807	34.74	257,735	28.96	32,399	48.51
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
1977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,1 <b>25,10</b> 3	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982								
1st quarter	83,962	88.46	502,602	83.30	<b>57,57</b> 3	85.69	0	
2d quarter	64,361	75.43	475,798	83.38	71,127	76.73	27,430	<b>56.5</b> 3
3d quarter	74,513	83.00	500,303	84.57	25,212	88.67	32,404	77.99
4th quarter	105,538	71.67	435,736	81.80	42,380	88.18	14,330	72.44
1982 total and								
average value	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983								
1st quarter	69,722	75.40	400,690	70.19	57,310	67.87	6,645	34.67
2d quarter	64,243	74.74	441,218	70.65	116,439	67.39	0	
3d quarter	77,917	74.34	438,092	66.44	83,760	64.63	0	
4th quarter	36,053	70.86	388,971	65.22	93,078	67.44	0	
1983 total and								
average value	247,935	74.24	1,668,971	68.17	350,587	66.82	6,645	34.67

Source--U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Washington Customs District includes all ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Alaska Customs District is the State of Alaska.

Table 21--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1972-83\frac{1}{2}$  (In thousand board feet)

(III CIIOUSAIIU	board recer	,										
		FROM	80TH STATE	S	FROM	WASHINGTON	CUSTOMS D	ISTRICT	FR	OM OREGON CU	STOMS OISTR	ICT
YEAR ANO QUARTER	TOTAL	DOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOODS
					TO A	LL COUNTRIE	S					
1972 1973 1974 1975 1976 1977 1978 1980 1981 1982	406,493 799,631 719,729 616,883 698,941 549,059 585,588 839,895 984,882 933,739	321,761 532,321 496,978 415,152 478,100 372,609 374,032 427,063 449,123 451,075	30,772 169,927 124,047 125,529 145,645 125,479 135,156 280,067 338,487 268,024	53,960 97,383 98,704 76,202 75,196 50,971 76,400 132,765 197,272 214,640	164,472 324,740 331,818 263,754 311,599 256,703 310,100 413,673 521,728 467,886	99,927 143,666 174,056 151,681 155,041 123,783 128,995 98,685 106,671 139,070	21,994 104,851 79,399 52,064 94,581 92,364 118,094 211,030 270,706 173,000	42,551 76,223 78,363 60,009 61,977 40,556 63,111 103,858 144,351 155,816	242,021 474,891 387,911 353,129 387,342 292,356 275,488 426,322 463,154 465,853	221,834 388,655 322,922 263,471 323,059 248,826 245,137 328,378 342,452 312,005	8,778 65,076 44,648 73,465 51,064 33,115 17,062 69,031 67,781 95,024	11,409 21,160 20,341 16,193 13,219 10,415 13,289 28,907 52,921 58,824
1st quarter 2d quarter 3d quarter 4th quarter	230,902 236,114 177,462 243,923	106,344 120,027 92,221 100,671	80,882 75,976 52,332 97,711	43,676 40,111 32,909 45,541	124,372 130,958 73,300 144,326	33,409 36,225 16,992 30,423	62,730 62,809 33,343 78,292	28,233 31,924 22,965 35,611	106,530 105,156 104,162 99,597	72,935 83,802 75,229 70,248	18,152 13,167 18,989 19,419	15,443 8,187 9,944 9,930
1982 total	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,504
1983 1st quarter 2d quarter 3d quarter 4th quarter	249,498 299,636 225,602 247,319	124,545 156,898 108,196 123,340	72,467 80,312 65,651 76,979	52,486 62,426 51,755 47,000	136,719 161,445 123,617 130,896	32,870 49,765 32,142 37,517	56,501 64,356 49,362 53,073	47,348 47,324 42,113 40,306	112,779 138,191 101,985 116,423	91,675 107,133 76,054 85,823	15,966 15,956 16,289 23,906	5,138 15,102 9,642 6,694
1983 total	1,022,055	512,979	295,409	213,667	552,677	152,294	223,292	177,091	469,378	360,685	72,117	36,576
						TO JAPAN						
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	23,699 153,537 205,888 208,160 186,628 145,386 163,233 355,840 362,458 312,232	3,437 40,402 102,858 96,307 68,927 40,945 36,429 75,567 53,084 55,479	10,589 99,707 77,973 96,610 107,884 93,719 108,610 227,702 249,729 206,837	9,673 13,428 25,057 15,243 9,817 10,722 18,194 52,571 59,645 49,916	14,951 89,514 103,531 89,489 127,553 108,468 141,963 258,444 269,406 189,547	571 19,247 44,424 40,991 39,430 20,845 25,609 45,549 26,428 25,966	7,291 64,966 47,616 45,359 80,891 80,161 103,056 177,239 199,237 128,307	7,089 5,301 11,491 3,139 7,232 7,462 13,289 35,656 43,741 35,274	8,748 64,023 102,357 118,671 59,075 36,918 21,270 97,396 93,052 122,685	2,866 21,155 58,434 55,316 29,497 20,100 10,820 30,018 26,656 29,513	3,298 34,741 30,357 51,251 26,993 13,558 5,554 50,463 50,492 78,530	2,584 8,127 13,566 12,104 2,585 3,260 4,896 16,915 15,904 14,642
1st quarter 2d quarter 3d quarter 4th quarter	114,615 100,834 65,620 133,152	27,423 20,511 16,197 30,030	71,237 65,527 41,041 83,039	15,955 14,796 8,382 20,083	75,262 75,174 36,378 96,686	12,553 10,813 4,811 13,642	54,332 53,188 26,251 68,004	8,377 11,173 5,316 15,040	39,353 25,660 29,242 36,466	14,870 9,698 11,386 16,388	16,905 12,339 14,790 15,035	7,578 3,623 3,066 5,043
1982 total	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983 1st quarter 2d quarter 3d quarter 4th quarter	111,529 116,414 97,726 122,373	28,259 29,497 21,793 34,320	62,186 67,962 56,121 68,255	21,084 18,955 19,812 19,798	77,376 86,712 67,882 83,780	10,277 16,280 11,321 19,924	47,871 54,250 41,471 47,560	19,228 16,182 15,090 16,296	34,153 29,702 29,844 38,593	17,982 13,217 10,472 14,396	14,315 13,712 14,650 20,695	1,856 2,773 4,722 3,502
1983 total	448,042	113,869	254,524	79,649	315,750	57,802	191,152	66,796	132,292	56,067	63,372	12,853

Table 21--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1972-83\frac{1}{2}$ / (continued) (In thousand board feet)

		FROM	BOTH STATES	S	FROM	WASHINGTON	CUSTOMS 01	ISTRICT	FRO	M OREGON CU	STOMS OISTRI	СТ
YEAR ANO QUARTER	TOTAL	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	00UGLAS- F1R	WESTERN HEMLOCK	OTHER SOFT- WOOOS	TOTAL	OOUGLAS- FIR	WESTERN HEMLOCK	OTHE SOFT WOOO
					-	TO CANAOA						
1972 1973 1974 1975 1976 1977 1978	70,297 88,695 126,547 113,213 101,633 76,251 117,969 113,977	42,581 49,381 67,856 61,099 50,327 45,842 69,852 38,917	8,687 9,340 5,952 4,299 6,737 3,695 9,241 18,870	19,029 29,974 52,739 47,815 44,569 26,714 38,876 56,190	70,297 88,695 124,097 112,783 101,633 76,251 117,930 113,977	42,581 49,381 65,406 61,099 50,327 45,842 69,813 38,917	8,687 9,340 5,952 3,869 6,737 3,695 9,241 18,870	19,029 29,974 52,739 47,815 44,569 26,714 38,876 56,190	0 0 2,795R 0 0 0 39	0 0 2,763 0 0 0 0 39	0 0 0 0 0	3
1980 1981	159,658 213,594	54,876 91,861	26,325 20,598	78,457 101,135	159,658 213,594	54,876 91,861	26,325 20,598	78,457 101,135	0	0	0	
1982 1st quarter 2d quarter 3d quarter 4th quarter	35,512 30,063 24,377 30,237	14,891 14,498 8,853 12,531	5,260 2,112 1,872 1,883	15,361 13,453 13,652 15,823	35,512 30,063 24,377 30,237	14,891 14,498 8,853 12,531	5,260 2,112 1,872 1,883	15,361 13,453 13,652 15,823	0 0 0	0 0 0 0	0 0 0	
1982 total	120,189	50,773	11,127	58,289	120,189	50,773	11,127	58,289	0	0	0	
1983 1st quarter 2d quarter 3d quarter 4th quarter	42,952 55,975 39,020 32,816	17,999 26,494 14,792 12,848	2,467 2,681 2,498 2,087	22,436 26,800 21,730 17,881	42,952 55,975 39,020 32,816	17,999 26,494 14,792 12,848	2,467 2,681 2,498 2,087	22,486 26,800 21,730 17,881	0 0 0	0 0 0	0 0 0	
1983 total	170,763	72,133	9,733	88,897	170,763	72,133	9,733	88,897	0	0	0	
					TO MA	AINLANO CHII	NA					
1981 1982	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	
1st quarter 2d quarter 3d quarter 4th quarter	5 0 2,194 49	5 0 2,194 49	0 0 0	0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	5 0 2,194 49	5 0 2,194 49	0 0 0	
1982 total	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	
983 1st quarter 2d quarter 3d quarter 4th quarter	0 1,637R 1,619 4,146	0 1,637R 1,619 4,146	0 0 0	0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 1,637R 1,619 4,146	0 1,637R 1,619 4,146	0 0 0	
1983 total	7,402	7,402	0	0	0	0	0	0	7,402	7,402	0	

Source--U.S. Oppartment of Commerce. Oata are compiled from Oppartment of Commerce records at the end of each quarter.

 $<sup>^{1}</sup>$ Includes lumber classified as railroad crossties and not specified by species.

R = revised.

Table 22--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination,  $1972-83\frac{1}{2}$ / (In dollars per thousand board feet)

		FROM	80TH STATES		FROM	WASHINGTON	CUSTOMS DI	STRICT	FRO	M OREGON CU	STOMS DISTR	ICT
YEAR ANO QUARTER	ALL SPECIES	DOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHE SOFT WOOD
					TO A	L COUNTRIE	5					
1972	208.54	223.60	102.74	179.03	177.86	195.96	98.99	176.10	229.39	236.06	112.13	189.9
973	269.96	310.24 310.19	174.98	215.55 241.28	211.88	262.75	166.56	178.33	309.68	327.79	188.54	349.6
974 975	283.80	310.19	211.83	241.28	242.67	267.93	205.45	224.26 224.40	318.98	332.98	223.32	306.8
975	263.14	283.95	206.11	Z43.68	220.36	228.52	191.93	224.40	295.09	315.86	216.16	315.
976	318.61	350.52	220.15	306.38 350.99	260.23	280.33	217.02	275.88	365.57	384.21	225.95	449.
977 978	340.02 362.29	371.97 403.55	240.66 266.51	350.99 329.76	278.19 290.19	291.17	242.18	320.55	394.31 443.46	412.17	236.43	469.
978 979	518.36	639.18	377.08	427.85	401.51	309.81 471.86	266.70 371.57	294.06	631.60	452.34	265.25	499.
980	436.14	560.96	319.83	351.55	324.62	361.19	310.48	395.90 324.13	561.77	699.47 623.19	393.73 357.18	542. 426.
981	387.06	436.65	342.81	338.11	332.62	360.84	322.81	318.31	441.75	470.44	379.24	390.
982	00,,,0	100100	0.2.02		002102		002101	010101	141173	470044	3/3:24	330.
1st quarter	378.22	419.28	319.39	387.17	313.31	321.03	308.56	314.73	453.99	464.29	356.79	519.
2d quarter	396.44	466.38	294.26 287.56	380.70	308.16	321.36	294.93	319.21	506.38	529.06	291.06	620.4 397.5 414.
3d quarter	366.63	423.37	287.56	333.33	312.22	338.91	303.14	305.66	404.91	442.45	260.20	397.
4th quarter	327.75	382.27	268.88	333.52	375.66	248.48	270.22	310.86	402.22	440.21	263.52	414.
1982 average	366.89	424.78	291.66	359.59	303.23	304.87	291.53	313.02	442.78	471.22	292.09	486.
983 1st quarter	349.88	386.89	312.11	314.22	305.05	397.05	313.84	300.12	404.23	419.10	305.98	444.
2d quarter	328.44	345.86	303.90	316.22	289.95	283.36	309.54	270.24	373.41	374.90	281.06	460.
3d quarter	353.98	401.49	312.83	306.87	307.22	312.80	325.80	281.19	410.66	438.98	273.51	419.
4th quarter	357.28	414.03	297.84	305.68	289.95 307.22 305.62	301.81	322.39	287.07	373.41 410.66 415.36	463.09	243.33	417.
1983 average	346.29	383.95	306.32	311.15	301.26	297.07	317.28	284.66	399.31	420.63	272.89	478.6
						TO JAPAN						
1972 1973	146.85	183.16	108.34	176.11 314.19	146.56	178.24	103.02	188.79 260.23 229.73 533.56 337.05 256.19	147.35 218.49	184.14	120.11	141.3 349.3 232.3
.973	204.26	198.89 228.74	191.64 210.08	314.19	194.09	186.88	190.83 206.72	260.23	218.49	209.81	193.15 215.35	349.
974	221.96	228.74	210.08	231.13 313.48	194.09	226.46	206.72	229.73	226.23	230.47	215.35	232.
975	188.89	155.39	202.62	313.48	188.14	167.70	182.71	533.56	189.45	146.27	220.23	256.
976	220.76 243.68	204.96 249.38	218.97 240.35	315.40 250.06	223.82 246.50	232.17 266.64	209.63 240.37	337.05	214.14 235.40	168.59 231.45	246.94 240.28	391.
977 978	299.96	393.04	266.25	314.88	293.87	396.05	263.56	332 17	235.40 340 64	385.92	316.02	239. 268.
979	418.26	491.38	376.08	495 86	407.98	488.99	372.67	332.17 480.04	445.53	495.01	388.04	529.
980	353.02	391.89	332.12	405.92	346.43	391.76	372.67 326.23	411.03	372.09	392.01	355.34	529. 391.
981 982	357.26	436.99	321.23	405.92 417.97	357.88	428.98	322.83	411.03 433.00	340.64 445.53 372.09 356.32	444.04	318.60	381.
1st quarter	336.07	380.63	312.98	362.50	310.10	325.15	301.45	343.65	385.72	427.53	350.02	383.
2d quarter	334.49 281.26	322.38	343.56	311.11	286.35	304.56	282.24	288.27	475.53	342.25	607.88	381.
3d quarter	281.26	246.83	250.90	496.45	258.45	194.53	235.77	428.28	309.64	268.93	277.75	614.
4th quarter -	289.73	289.68	270.20	370.57	279.43	252.27	365.88	365.37	317.04	320.83	289.74	386.
1982 average	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.
983	200 20	205 24	212 10	330.11	300.64	268.24	295.68	330.32	320 01	294.94	371.70	227
1st quarter 2d quarter	309.30 297.69	285.24 279.61	313.18 304.03	303.07	297.66	262.05	307.48	300.56	297.77	301.25	290.39	317
3d quarter	308.88	317.40	309.86	296.72	310.67	289.44	323.22	292.13	304.78	347.63	272.03	327. 317. 311.
4th quarter	312.45	298.47	288.88	417.95	334.43	289.79	318.48	435.54	328.91 297.77 304.78 264.74	310.48	220.84	336.
- 1983 average	307.05	293.92	303.49	337.21	310.94	278.08	310.68	340.15	297.76	310.26	281.80	328.

Table 22--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1972-831/(continued) (In dollars per thousand board feet)

		FROM	BOTH STATES		FROM	WASHINGTON	CUSTOMS 01	STRICT	FRO	M OREGON CU	STOMS OISTR	ICT
EAR ANO UARTER	ALL SPECIES	00UGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT- WOOOS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHER SOFT - WOOOS	ALL SPECIES	OOUGLAS- FIR	WESTERN HEMLOCK	OTHE SOFT WOOD
					1	O CANAOA						
972	145.81	154.44	109.13	143.25	145.81	154.44	109.13	143.25				
973	182.24	192.12	120.04	185.34	182.24	192.12	120.04	185.34				
974	205.78	223.84	196.55	183.58	202.89	219.18	196.55	183.40	312.23	312.23		300.
975	189.59	200.09	199.95	175.20	189.59	200.09	199.95	175.20	312.23	312.23		300.
976	243.28	257.29	245.57	227.11	243.28	257.29	245.57	227.11				
977	237.20	205.68	272.32	286.43	237.20	205.68	272.32	286.43				
978	186.31	152.21	240.99	234.59	186.20	151.99	240.99	234.59	536.67	536.67		
979	333.39	384.39	331.18	298.58	333.28	384.39	331.18	298.58	550.07	530.07		
980	263.66	285.72	252.59	251.96	263.66	285.72	252.59	251.96				
981	281.69	298.64	301.46	241.23	271.69							
982 <b>-</b> -	201.09	290.04	301.40	241.23	2/1.09	298.64	301.46	241.23				
lst quarter	266.80	264.46	290.34	261.00	266.80	264 46	290.34	061 00				
2d quarter	295.12	322.23	344.18			264.46		261.00				
				258.16	295.12	322.23	344.48	258.16				
3d quarter	255.32	265.26	360.63	234.43	255.32	265.26	360.63	234.43				
4th quarter	234.81	214.63	321.75	241.58	234.81	214.63	321.75	241.58				
1982 avarage	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85				
983												
1st quarter	263.27	278.36	325.74	244.33	263.27	278.36	325.74	244.33				
2d quarter	259.43	277.71	332.15	234.08	259.43	277.71	332.15	234.08				
3d quarter	259.42	281.40	350.39	233.99	259.42	281.40	350.39	233.99				
4th quarter	250.56	273.08	348.60	222.93	250.56	273.08	348.60	222.93				
- 1983 average	258.69	277.81	338.73	234.41	258.69	277.81	338.73	234.41				
					TO MA	INLANO CHI	IA A					
981	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30		
982 1st quarter	170.00	170.00							170.00	170.00		
2d quarter	1/0.00	170.00							1/0.00	170.00		
3d quarter	258.05	258.05							258.05	258.05		
4th quarter	195.63	195.63							195.63	195.63		
	193.03	133.03										
1982 average	257.07	257.07							257.07	257.07		
983												
1st quarter												
2d quarter	314.97	314.97							314.97	314.97		
3d quarter	299.97	299.97							299.97	299.97		
4th quarter	332.71	332.71							332.71	332.71		
- quarter	332.71	332.71							332.71	332.71		
1983 average	321.62	321.62							321.62	321.62		

Source--U.S. Department of Commerce. Oata are compiled from Oepartment of Commerce records at the end of each quarter.

<sup>&</sup>lt;sup>1</sup>Includes lumber classified as railroad crossties and not specified by species.

Table 23--Softwood lumber exports from northern California ports, by species and destination,  $1972\mbox{-}83^1$ 

(In thousand board feet)

YEAR ANO QUARTER	TOTAL	OOUGLAS-FIR	WESTERN HEMLOCK	OTHER SOFTWOOD
		TO ALL COUNTRIES		
1972	48,914	20,843	135	27,936
1973	73,842	30,746	2,530	40,566
1974	35,314	17,350	815	17,149
1975	27,628	13,388	636	13,604
1976 1977	40,585 44,438	14,430 18,951	462 1,137	25,693
1978	32,919	12,931	684	24,350 19,304
1979	30,832	10,539	1,498	18,795
1980	34,603	10,531	3,777	20,295
1981	47,315	7,841	12,037	27,437
1982	10 202	0.407	1 (07	6 010
1st quarter 2d quarter	10,323 13,228	2,497 4,446	1,607 1,750	6,219 7,032
3d quarter	13,922	2,738	1,220	9,964
4th quarter	15,244	4,174	2,959	8,111
1000 total	52 717	12.055	7 526	21 226
1982 total	52,717	13,855	7,536	31,326
1983 1st quarter	11,357	4,060	1,748	5,549
2d quarter	12,600	5,643	2,584	4,373
3d quarter	12,315	5,727	1,201	5,387
4th quarter	7,008	3,153	86	3,769
1983 total	43,280	18,583	5,619	19,078
		TO JAPAN		
1972	6,884	17	28	6,839
1973	4,963	328	2,359	2,276
1974	3,208	317	12	2,879
1975	4,303	337	200	3,966
1976 1977	5,724 7,766	168 1,354	396	5,160 6,412
1978	6,763	107	200	6,456
1979	8,854	0	700	8,154
1980	17,384	1,160	3,256	12,968
1981	29,437	2,608	11,834	14,995
1982 1st quarter	8,480	2,024	1,557	4,899
2d quarter	8,809	2,049	1,737	5,023
3d quarter	10,668	1,448	1,170	8,050
4th quarter	10,256	1,764	2,117	6,375
1982 total	38,213	7,285	6,581	24,347
1983	7 510	1 201	1 740	4 300
1st quarter 2d quarter	7,519 6,585	1,381 578	1,748 2,460	4,390 3,547
3d quarter	5,389	274	1,134	3,981
4th quarter	2,664	0	72	2,592
1983 total	22,157	2,233	5,414	14,510
		TO MAINLANO CHINA		
1981 1982	93	0	0	93
1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter 4th quarter	5 17	0 17	0	5 0
1982 total	22	17	0	5
1983				
1st quarter	0	0	0	0
2d quarter 3d quarter	0	0	0	0
4th quarter	0	Ö	0	Ö

Source--U.S. Department of Commerce.

 $<sup>1 \</sup>mbox{Northern}$  California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Table 24--Softwood lumber exports from southern California ports, by species and destination,  $1972\text{--}83^{\text{l}}$ 

(In thousand board feet)

EAR AND QUARTER	TOTAL	DOUGLAS-FIR	OTHER SOFTWOOD
	TO ALL	COUNTRIES	
 1972	56,599	23,938	22 661
1973	52,608	19,599	32,661 33,009
1974	46,514	18,684	
1975	56,759	23,596	27,830 33,163
1976	61,256	23,078	38,178
1977	72,588	26,895	45,693
1978	74,347	27,661	46,686
1979	81,372	20,388	60,984
1980	95,641	24,830	70,811
1981	109,451	18,809	90,642
1982	,	20,003	30,012
1st quarter	21,918	1,969	19,949
2d quarter	26,975	2,928	24,047
3d quarter	15,081	1,680	13,401
4th quarter	7,238	914	6,324
4.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2			
1982 total	71,212	7,491	63,721
1983 1st quarter	6,717	494	6 222
2d quarter			6,223
3d quarter	8,472 10,051	355	8,117
4th quarter	10,031	686 1,068	9,365
4cm quarter	10,407	1,000	9,419
1983 total	35,727	2,603	33,124
	ТО	JAPAN	
1972	1,578	12	1,566
1973	264		264
1974	64		64
1975	119		119
1976	377		377
1977	172	73	99
1978	471		471
1979	739		739
1980	2,330	237	2,093
1981	1,477	360	1,117
1982			
1st quarter	245	0	245
2d quarter	3	0	3
3d quarter	12	12	0
4th quarter	30	0	30
1982 total	290	12	278
1983			
1st quarter	0	0	0
2d quarter	2,155	0	2,155
3d quarter	178	0	178
4th quarter	366	22	344

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

 $<sup>1 \\ \</sup>text{Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.}$ 

Table 25--Softwood lumber exports from Alaska ports, by species and destination, 1972-83

(In thousand board feet)

YEAR ANO QUARTER	TOTAL	WESTERN HEMLOCK	SITKA SPRUCE	CEOAR	OTHER SOFTWOOD
		TO ALL COU	NTRIES		
1972	340,196	155,407	184,649	0	140
1973	404,849	210,555	194,143	12	139
1974	362,432	250,144	154,525	2,641	122
L975 L976	313,307 290,011	179,398 134,387	132,556	1,353	5 200
1977	250,044	122,544	148,526 121,350	1,298 5,579	5,800 571
.978	237,795	126,218	111,435	53	89
.979	278,462	172,005	103,844	479	2,134
.980 .981	256,716 195,981	158,682 104,974	96,607 91,007	105 0	1,322
.982	193,901	104,574	91,007	O	0
1st quarter	49,526	16,908	32,618	0	0
2d quarter	54,839	23,000	30,178	0	1,661
3d quarter 4th quarter	34,136 33,465	13,765 321,827	20,371 311,638	0	0
1982 total	171,966	75,500	94,805	0	1,661
.983 1st quarter	42,858	20,389	21,854	0	615
2d quarter	23,333	10,727	11,545	0	1,061
3d quarter 4th quarter	36,314 34,155	17,962 21,713	18,352 12,442	0	0
, on quartos					
1983 total	136,660	70,791	64,193	0	1,676
		TO JAPA	AN		
.972	336,798	152,555	184,243	0	0
.973	403,938	210,536	193,390	12	0
.974 975	361,691 312,976	204,845 179,122	154,205 132,501	2,641 1,353	0
976	289,197	134,274	148,221	902	5,800
.977	245,445	122,471	121,083	1,391	500
.978 .979	236,615 273,615	125,355 170,149	111,207 101,408	53 435	1,623
.980	251,369	156,654	94,610	105	0
981	161,794	82,753	79,041	0	0
982 1st quarter	39,046	13,050	25,996	0	0
2d quarter	53,846	23,000	30,178	Ö	668
3d quarter	29,469	13,315	16,154	0	0
4th quarter	33,465	21,827	11,638	0	
1982 total	155,826	71,192	83,966	0	668
.983 1st quarter	34,269	18,795	14,937	0	537
2d quarter	22,230	10,626	10,543	Ö	1,061
3d quarter	29,008	13,116	15,892	0	0
4th quarter	34,155	21,713	12,442	0	0
1983 total	119,662	64,250	53,814	0	1,598
		TO MAINLANO	CHINA		
.981 .982	27,149	18,428	8,721	0	0
lst quarter	9,479	2,857	6,622	0	0
2d quarter	2 674	0	2 224	0	0
3d quarter 4th quarter	3,674 0	450 0	3,224	U	0
1982 total	13,153	3,307	9,846	0	0
.983 1st quarter	5,976	1,582	4,394	0	0
2d quarter	0	0	0	ő	0
3d quarter	6,278	4,846	1,432	0	0
4th quarter	0	0	0	0	0

Source--U.S. Department of Commerce. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 26--Softwood lumber exports to Canada from the Montana Customs District,  $1972-83^{1}$ 

(In thousand board feet)

YEAR AND QUARTER	TOTAL	DOUGLAS-FIR	WESTERN HEMLOCK	OTHER SOFTWOODS
1972	16,360	6,391	1,595	8,374
1973	47,727	30,526	3,334	13,867
1974 1975	29,146 50,226	9,618 12,745	3,602 4,516	15,926 32,965
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29,645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981	82,933	18,196	1,308	63,429
1982				
1st quarter	13,582	2,047	231	11,304
2d quarter	10,114	1,573	56	8,485
3d quarter	11,699	2,763	194	8,742
4th quarter	12,023	2,212	209	9,602
1982 total	47,418	8,595	690	38,133
1983				
1st quarter	16,216	3,428	230	12,558
2d quarter	21,160	4,397	185	16,578
3d quarter	18,434	2,736	277	15,421
4th quarter	13,412	1,973	160	11,279
1983 total	69,222	12,534	852	55,836

Source--U.S. Department of Commerce.

<sup>1</sup> Montana Customs District includes all ports in Montana and Idaho.

Table 27--Lumber exports from British Columbia ports, by species and destination, 1972-83 (In thousand board feet)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS-FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO ALL COUNTR	IES			
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982	3,834,552 4,169,812 3,938,940 3,001,410 4,670,033 5,860,807 5,876,119 5,755,532 5,160,800 4,421,519	707,112 566,535 527,706 356,371 542,197 683,614 679,566 679,694 498,425 420,466	1,801,818 2,032,594 1,699,277 1,113,665 1,967,446 2,364,028 2,492,764 2,313,186 2,098,672 1,805,988	406,409 456,522 406,419 295,218 467,829 533,267 570,796 646,701 988,347 604,608	634,563 766,830 914,787 825,527 1,191,429 2,269,876 2,116,258 1,983,829 1,872,234 1,495,892	278,836 344,401 387,043 409,507 499,853 8,796 15,674 129,161 99,624 93,086	5,814 2,930 3,708 1,122 1,279 1,226 1,061 2,961 3,498 1,479
1st quarter 2d quarter 3d quarter 4th quarter	1,045,913 1,236,274 1,018,860 941,852	99,313 99,590 86,096 54,933	451,692 508,243 420,486 423,578	166,216 176,105 151,808 141,736	56,025 64,291 41,548 46,354	272,403 387,718 309,280 274,940	264 327 9,642 311
1982 total	4,242,899	339,932	1,803,999	635,865	208,218	1,244,341	10,544
1983 1st quarter 2d quarter 3d quarter 4th quarter	1,173,746 1,231,102 1,170,095 1,222,476	80,455 92,469 83,730 82,212	503,998 556,169 558,274 520,193	161,250 183,459 169,082 193,551	62,562 42,115 44,826 44,272	363,111 355,453 313,650 381,476	2,370 1,437 533 772
1983 total	4,797,419	338,866	2,138,634	707,342	193,775	1,413,690	5,112
			TO JAPAN				
1972 1973 1974 1975 1976 1977 1978 1979 1980	400,051 617,449 500,785 407,674 633,863 705,823 779,135 1,014,481 1,084,426 867,636	15,268 12,987 15,335 12,870 13,727 18,530 23,799 44,021 55,800 34,239	300,460 441,852 349,560 301,336 476,927 530,567 545,983 677,425 701,579 577,901	46,052 88,946 83,749 60,490 79,934 90,447 116,368 158,121 136,130 129,256	34,003 71,531 49,116 30,488 61,743 65,943 92,940 133,358 185,379 125,324	526 1,849 2,490 2,405 1,521 85 0 546 4,158 717	3,742 284 535 85 11 251 45 1,010 1,380 199
1982 1st quarter 2d quarter 3d quarter 4th quarter	321,362 300,572 221,355 205,082	17,735 10,662 8,972 7,022	220,513 219,718 149,475 123,919	33,431 23,776 28,409 34,284	18,192 15,107 14,650 18,760	31,401 31,275 19,849 21,082	90 34 0 15
1982 total	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983 1st quarter 2d quarter 3d quarter 4th quarter	284,327 241,695 177,966R 194,964	10,068 7,198 6,039 10,257	189,631 157,455 107,190 104,036	32,141 31,260 22,699 39,001	19,963 11,849 18,636 11,746	32,499 33,914 23,374R 29,778	25 19 28 46
1983 total	898,952	33,562	558,412	125,101	62,194	119,565	118

Table 27--Lumber exports from British Columbia ports, by species and destination, 1972-83 (continued) (In thousand board feet)

YEAR AND QUARTER	TOTAL, ALL SPECIES	DOUGLAS-FIR	HEMLOCK	CEDAR	SPRUCE	OTHER SOFTWOODS	HARDWOODS
			TO UNITED STAT	ES1			
1972	2,679,159	505,902	1,155,419	254,521	491,217	270,029	2,071
1973	2,601,556	347,653	1,143,329	240,978	544,634	322,316	2,646
1974	2,287,461	302,112	761,924	207,138	659,751	353,487	3,049
1975	2,026,343	238,331	542,256	166,949	684,404	393,391	1,012
1976	2,965,011	322,793	978,784	267,831	938,185	456,237	1,181
1977	4,107,653	529,808	1,340,920	333,604	1,894,371	7,988	962
1978	4,078,666	501,841	1,443,548	365,062	1,751,741	15,496	978
1979	3,528,648	462,658	1,125,807	382,991	1,429,014	126,536	1,642
1980	2,590,889	283,482	775,428	355,821	1,079,387	94,683	2,088
1981 1982	2,337,958	228,856	803,019	394,800	813,733	96,305	1,245
1902 1st quarter	454,409	38,338	143,946	105,038	28,766	138,161	160
2d quarter	598,691	45,348	178,235	129,618	35,901	209,335	254
3d quarter	487,198	40,730	138,339	104,856	23,304	179,603	366
4th quarter	477,427	33,360	176,993	91,122	23,343	152,313	296
. s quar sur							
1982 total	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983							
1st quarter	596,902	42,067	197,343	107,140	39,938	209,966	448
2d quarter	716,670	50,047	282,102	125,052	27,625	231,261	583
3d quarter	716,678	54,010	279,588	125,998	24,490	232,182	410
4th quarter	565,452	41,694	222,722	38,173	29,642	232,625	596
1983 total	2,595,702	187,818	981,755	396,363	121,695	906,034	2,037
			TO MAINLAND CHI	NA			
1000							
1982	27	0	0	0	0	37	0
1st quarter	37 8,663	0	6,426	0	0	2,237R	0
2d quarter 3d quarter	15,481	0	6,290	0	0	0	9,191
4th quarter	19,025	0	16,161R	0	624	2,240	0,191
4cm quarter	13,023	· · · · · · · · · · · · · · · · · · ·					
1982 total	43,206	0	28,877	0	624	4,514	9,191
1983							
1st quarter	16,970	0	10,445	0	0	4,663	1,862
2d quarter	27,465	0	23,994	ő	0	3,471	0
3d quarter	35,319	3,308	27,331	Ö	0	4,680	Ö
4th quarter	55,289	2,966	49,230	0	0	3,093	0

Source--Bureau of Economics and Statistics, Department of Industrial Development, Trade, and Commerce, Victoria, B.C., "Preliminary Statement of External Trade."

<sup>&</sup>lt;sup>1</sup>Figures do not include shipments of railroad crossties.

R = revised.

Table 28--Plywood exports from Washington and Oregon ports, by origin and destination, 1972-83 (In thousand square feet)

		BOTH DISTRICTS	FROIT WAS CUSTOMS O		FROM OREGON CUSTOMS DISTRICT		
YEAR ANO QUARTER	SOFTWOOU, 3/8-INCH 8ASIS	HAROWOOO, SURFACE MEASURE	SDFTW000, 3/8-INCH BASIS	HARDWOOO, SURFACE MEASURE	SOFTWOOO, 3/8-INCH 8ASIS	HAROWOOD SURFACE MEASURE	
		TO A	LL COUNTRIES				
1972	122,242	3,603	23,241	3,342	99,001	261	
1973 1974	284,806 284,487	6,337 6,590	45,493 131,317	5,546 5,604	239,313 153,170	791 986	
1975	407,117	10,493	93,951	10,360	313,166	133	
1976	532,576	24,229	34,020	23,846	498,556	383	
1977 1978	233,762 242,105	17,673	20,603	17,447	213,159	226	
979	330,018	12,160 9,962	23,284 27,132	8,871 9,644	218,821 302,886	3,289 318	
980	279,003	9,718	20,747	8,806	258,256	912	
981	327,967	18,645	65,729	17,333	262,238	1,312	
.982 1st quarter	61,985	3,009	8,562	3,003	53,423	6	
2d quarter	54,367	2,326	10,519	2,326	43,848	0	
3d quarter	26,117	1,352	8,687	1,348	17,430	4	
4th quarter	79,140	2,748	8,500	2,669	70,640	79	
1982 total	221,609	9,435	36,268	9,346	185,341	89	
983	161 -55		46.0				
1st quarter 2d quarter	109,950 100,036	4,445 4.884	10,297 11,347	4,311 4,804	99,653 88,689	1 34 80	
3d quarter	40,582	4,576	7,599	4,569	32,983	7	
4th quarter	71,818	2,636	8,765	2,636	63,053	Ô	
1983 total	322,386	16,541	30,008	16,320	284,378	221	
			TO JAPAN				
972	734	34	432	0	302	34	
.973	8,139	247	1,625	0	6,514	247	
974 975	3,311 2,141	188 14	1,203 414	11	2,108 1,727	177 14	
976	2,361	61	498	61	1,863	0	
977	1,914	162	122	74	1,792	88	
978 979	2,821 6,040	13 108	167 931	18 108	2,654 5,109	0	
980	8,301	978	4,158	978	4,143	0	
981	5,056	13	2,162	12	2,894	1	
982	1,671	0	408	0	1 263	0	
1st quarter 2d quarter	2,523	0	948	0	1,263 1,575	0	
3d quarter	629	Ō	524	Ō	105	0	
4th quarter	1,897	19	1,272	19	625	0	
1982 total	6,720	19	3,152	19	3,568	0	
983							
1st quarter 2d quarter	1,264 1,047	0 13	910 765	0	354 282	0 13	
3d quarter	1,583	3	1,108	0	475	3	
4th quarter	1,786	0	1,190	0	596	0	
1983 total	5,680	16	3,973	0	1,707	16	
		TO MA	INLANO CHINA				
982				^	^		
1st quarter 2d quarter	0	0 1	0	0 1	0	0	
3d quarter	0	0	0	0	0	0	
4th quarter	0	0	0	0	0	0	
1982 total	0	1	0	1	0	0	
983	0	0	0	0	0	0	
1st quarter	0	0	0	0	0	0	
2d quarter							
2d quarter 3d quarter	0	0	0	0	0	0	
	0	0	0	0	0	0	

Source--U.S. Department of Commerce. Oregon Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oata are compiled from Department of Commerce records at the end of each quarter.

Table 29--Plywood exports from California,  $1972-83\underline{1}/$  (In thousand square feet)

		NORTHERN	CALIFORNIA	SOUTHERN (	CALIFORNIA
YEAR AND QUARTER	TOTAL	SOFTWOOD, 3/8-INCH BASIS	HARDWOOD, SURFACE MEASURE	SOFTWOOD, 3/8-INCH BASIS	HARDWOOD, SURFACE MEASURE
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1st quarter 2d quarter 3d quarter 4th quarter	15,429 16,562 18,177 19,619 19,696 9,198 6,036 5,934 9,054 9,349 1,419 2,173 2,209 1,663	6,633 8,186 4,985 7,874 10,085 5,148 2,833 1,638 1,414 2,424 547 917 774 788	668 698 305 542 92 646 899 871 849 487 69 205 556 534	5,941 4,358 7,978 6,311 4,681 1,818 964 1,946 3,546 2,830 391 533 457 176	2,187 3,320 4,909 4,892 5,111 1,586 1,340 1,479 3,245 3,608 412 518 422 165
1982 total  1983 1st quarter 2d quarter 3d quarter 4th quarter	7,464  1,356 2,567 2/2,315 1,890	3,026 524 1,302 933 683	1,364 58 497 259 160	1,557 195 207 2/572 356	1,517 579 561 551 691
1983 total	8,128	3,442	974	1,330	2,382

Source--U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions which may have been made after this time are not shown.

1/Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

2/0f this amount, 11,000 square feet were exported to mainland China.

 $\textit{Table 30--Volume of timber sold on publicly owned or \textit{managed lands, Washington and Oregon, 1978-83} \\$ 

(In thousand board feet, Scribner scale)

					1	982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	4TH QTR.	1ST QTR.	20 QTR.	30 QTR.	4TH QTR.	TOTAL
Western Washington: U.S. Forest Service <sup>1</sup> U.S. 8ur. Indian Affairs State of Washington <sup>2</sup>	1,097,548 66,923 175,155	1,222,548 22,882 1,150,935	1,114,024 6,927 503,565	1,224,969 13,460 368,885	1,066,085 2,535 601,935	177,832 0 131,935	333,610 839 152,160	310,440 4,549 96,875	275,030 6,481 57,395	234,739 1,784 230,865	1,153,819 13,653 537,295
Total	1,339,675	2,396,365	1,624,516	1,607,014	1,670,555	309,767	486,609	411,864	338,906	467,388	1,704,767
Eastern Washington: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. U.S. Bur. Indian Affairs State of Washington <sup>2</sup>	382,902 54 157,396 30,385	420,819 2,645 140,247 125,505	428,631 1,798 211,205 80,345	389,029 3,898 53,795 53,710	322,315 3,025 44,583 89,620	23,035R 0 2,041 32,335	80,772 0 2,689 12,410	94,276 0 41,981 8,705	234,415 3,250 104,242 26,025	85,863 164 16,744 15,095	495,326 3,414 165,656 62,325
Total	570,737	689,216	721,979	500,432	459,543	57,411	95,871	144,962	367,932	117,866	726,631
Western Oregon: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. U.S. Bur. Indian Affairs <sup>3</sup> State of Oregon	2,242,355 1,110,451 0 210,353	2,441,324 889,797 0 219,378	2,643,716 1,150,026 0 238,931	2,378,903 1,030,627 3,340 135,461	2,418,057 1,214,330 0 301,947	461,098 254,389 0 105,779	906,967 217,953 0 26,091	381,433 240,675 2,361 95,737	479,813 339,437 0 78,741	411,132 247,859 0 67,847	2,179,345 1,045,924 2,361 268,416
Total	3,563,159	3,550,499	4,032,673	3,548,331	3,934,334	821,266	1,151,011	720,206	897,991	726,838	3,496,046
Eastern Oregon: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. U.S. Bur. Indian Affairs State of Oregon	1,115,280 12,152 152,320 8,379	1,271,677 6,525 15,439 7,499	1,168,327 2,301 25,480 5,992	1,294,928 17,864 55,032 1,040	1,164,264 15,197 89,438 13,350	250,574 0 0 789	356,626 0 0	209,789 14,792 11,270 1,726	357,350 4,417 6,100 0	224,584 3 0	1,148,349 19,212 17,370 1,726
- Total	1,288,131	1,301,140	1,202,100	1,368,864	1,282,249	251,363	356,626	237,577	367,867	224,587	1,186,657
All public lands: U.S. Forest Service <sup>1</sup> U.S. Bur, Land Manage. U.S. Bur, Indian Affairs <sup>3</sup> State of Washington <sup>2</sup> State of Oregon	4,838,134 1,122,657 376,639 205,540 218,732	5,356,368 898,967 178,568 1,276,440 226,877	5,354,698 1,154,125 243,612 583,910 244,923	5,287,829 1,052,381 125,627 422,595 136,501	4,970,721 1,232,552 136,556 691,555 315,297	912,539 254,389 2,041 164,270 106,568	1,677,975 217,953 3,528 164,570 26,091	995,938 255,467 60,161 105,580 97,463	1,346,608 347,104 116,823 83,420 78,741	956,318 248,026 18,528 245,960 67,847	4,976,839 1,068,550 199,040 599,530 270,142
Total	6,761,702	7,937,220	7,581,268	7,024,941	7,346,691	1,439,807	2,090,117	1,514,609	1,972,696	1,536,679	7,114,101

Source--respective agencies listed.

 $^{1}\mathrm{Convertible}$  products only.

<sup>2</sup>Excludes sales under \$2,000.

 $^3 \text{Siletz Reservation formed 1980.}$ 

R = revised.

Table 31--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1978-83 (In dollars per thousand board feet)

					1	.982			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	4TH QTR.	1ST QTR.	20 QTR.	3D QTR.	4TH QTR.	AVERAGE
Western Washington:	100 57										
U.S. Forest Service <sup>1</sup> U.S. Bur. Indian Affairs	129.57 120.34	224.68	208.06	180.57	61.48	105.80	61.38	84.11	64.74	88.22	73.84
State of Washington <sup>2</sup>	231.31	264.95 332.10	182.32 304.71	129.09 208.95	128.64 146.88	11.90	90.73 152.17	103.53 135.45	98.79 205.78	82.28 132.16	97.71 147.00
Average	142.84	276.66	237.91	186.65	92.35	108.40	90.02	97.34	89.28	109,.90	97.09
Eastern Washington:	106.60	104.60	00.00	77.57	20.51	25.05					
U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage.	186.69 123.48	104.68 16.80	90.92 21.25	77.57 105.60	30.61 43.64	35.87	50.07	56.09	25.51 57.86	44.36 51.52	38.60 51.84
U.S. Bur. Indian Affairs	165.37	212.01	162.32	173.78	191.17	11.01	61.71	89.30	135.61	178,95	127.06
State of Washington <sup>2</sup>	162.13	210.79	207.67	198.94	115.52	107.03	75.46	78.50	60.40	68.22	67.83
Average	179.49	145.50	124.63	101.15	62.83	75.06	53.68	67.05	59.41	66.55	61.34
Western Oregon:	240.05	0.00	254.52								
U.S. Forest Service <sup>1</sup>	210.96 196.36	332.09 292.59	354.60	276.36	92.44	100.26	138.74	131.32	114.29	124.28	129.33
U.S. 8ur. Land Manage. U.S. 8ur. Indian Affairs <sup>3</sup>	190.36	292.59	323.63	246.68 365.16	89.40	102.66	130.89	125.59 170.20	123.30	118.97	131.14 170.20
State of Oregon	226.23	314.93	332.25	262.31	117.52	115.61	144.12	186.42	159.36	150.88	165.39
Average	207.31	321.13	344.44	269.30	93.43	102.98	143.52	136.86	121.65	124.95	132.67
Eastern Oregon:											
U.S. Forest Service <sup>1</sup>	171.04	169.55	130.22	144.49	77.28	43.81	89.52	77 - 20	77.63	79.99	81.70
U.S. 8ur. Land Manage. U.S. 8ur. Indian Affairs	206.17 113.72	103.25 196.29	118.72 266.61	84.31 112.47	62.45			43.00 169.54	106.41	80.00	57.58
State of Oregon	134.91	229.38	186.29	16.00	82.85 111.66	19.89		59.68	87.13		140.60 59.68
Average	164.36	169,88	133.37	142.32	56.33	43.74	89.52	79.32	78,13	79.99	82.14
Average	104.30	103.00	133.3/	142.32	20+33	43./4	89.54	19.32	/8-13	/9.99	82.14
All public lands:											
U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage.	181.49	251.12 290.41	254.06	208.60 243.40	72.69	84.22 102.06	108.69 130.89	98.08	78.99	97.85	96.45
U.S. Bur. Land Manage. U.S. Bur. Indian Affairs <sup>3</sup>	196.46 136.48	290.41	322.75 173.80	147.23	88.96 119.00	102.06	68.61	120.81 108.57	122.41 131.04	118.93 169.65	129.56 126.74
State of Washington <sup>2</sup>	221.08	320.17	291.35	207.68	142.82	110.94	146.38	134.43	160.43	128.23	138.71
State of Oregon	222.73	312.10	328.68	260.43	114.27	114.90	144.12	184.18	159.36	150.88	164.71
Average	184.01	267.66	267.21	213.67	84.80	92.69	117.73	110.40	96.36	109.32	108.43

Source--respective agencies listed.

1 Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-Y funds).

<sup>2</sup>Excludes sales under \$2,000.

<sup>3</sup>Siletz Reservation formed 1980.

Table 32--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1972-83<sup>1</sup> (In dollars per thousand board feet)

	ALL SPECIES	53.20 102.80 142.40 101.60 113.20 153.80 285.00 285.50 230.60 109.20 69.30 59.20	80.20 122.60 112.90 93.90 119.10
OTHER	TRUE	33.00 73.80 80.90 80.90 85.10 99.10 167.90 103.80 70.38 71.20 24.80 43.40	40.00 57.10 77.30 50.90 54.70
NOBLE FIR	ANO SHASTA REO FIR	100.20 81.40 117.20 117.70 105.60 128.90 122.50 211.30 241.80 147.30 48.60 50.30 16.00	28.40 39.50 61.00 83.60 20.90 42.40
	LARCH	13.50 5.30 11.00 11.00 20.30 62.10 62.10 90.50 69.50 69.70 18.50 18.50	37.50 31.60 22.80 18.90 62.10 31.80
	CEOARS <sup>2</sup>	67.50 146.80 217.00 119.20 140.30 140.30 329.10 3329.10 168.70 101.90 106.80 72.90	51.00 102.90 68.40 173.90
	WESTERN HEMLOCK	49.00 99.20 110.80 68.50 78.10 89.20 1111.70 1197.10 208.00 162.00 48.90 33.20 33.20 69.00	44.60 52.60 71.80 55.00 83.20
	S1TKA SPRUCE	28.00 93.40 72.60 75.90 83.10 109.50 109.50 227.90 306.50 238.00 86.30 93.10 25.50 41.70	49.50 25.90 18.50 35.20 43.60
	ENGELMANN SPRUCE	27.20 55.60 50.20 10.50 10.50 36.50 36.40 15.00 6.00 18.40 21.50	19.50 22.10 37.60 42.60 19.70 28.70
	LOOGEPOLE PINE	10.60 38.40 25.70 15.40 40.20 35.40 47.10 47.10 33.30 15.50 9.50	17.40R 18.90 22.30 21.80 11.00
	WHITE	35.80 50.70 121.00 84.40 1116.00 142.70 123.70 102.80 100.60 41.33 54.40	50.00R 24.30 40.40 136.90 78.50 74.30
	SUGAR PINE	26.00 60.50 139.10 109.90 118.90 162.80 207.90 267.30 167.00 174.50 84.20 32.60 95.10	
PONDEROSA	AND JEFFREY PINES	38.40 77.70 110.60 43.10 79.40 138.40 218.70 238.00 190.80 206.40 110.00 78.60 54.60 73.10	78.602 132.70 127.90 129.70 157.40 134.30
-FIR	EAST SIDE	15.60 60.40 68.20 34.30 38.60 71.20 98.50 91.70 70.80 94.00 59.20 36.10 27.80 29.30	35.80R 31.70 57.00 30.70 39.30
00UGLAS-FIR	WEST SIDE	71.70 138.10 202.40 1169.50 176.20 225.90 225.31 334.30 432.20 350.20 152.10 91.60 91.70	118.20R 130.50 152.80 142.20 154.80
	YEAR ANO QUARTER	1972 1973 1974 1975 1976 1977 1978 1980 1980 1981 15t quarter 2d quarter 3d quarter 3t quarter	1982 average 1983 1st quarter 2d quarter 3d quarter 4th quarter

Source--Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

IPrices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2 Includes Port-Orford-cedar.

R = revised.

Table 33--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$ / (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

NAT 10NAL		00UGL A	S-FIR		PONOERO JEFFRE			TERN LOCK	TRUE	FIRS3/	ALI	SPEC1ES
FOREST	WEST	SIOE	EAST	SIDE								
	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
Western Oregon: Mount Hood												
1st qtr. 2d qtr.	96,955	207.60	4,120	27.70	1,480	17.28	42,635	73.30	210	7.37	190,449	126.51
3d qtr.	23,639 28,252	196.75 174.36	1,150 11,400	21.91 49.78	1,090 1,000	93.23 20.33	8,240 19,015	121.90 99.67	1,310 10,280	3.39 16.32	41,954 82,589	142.02 97.96
4th qtr.	33,418	136.56	6,350	38.50	5,160	88.56	14,657	182.83	8,030	34.01	80,853	106.02
Total and average	182,264	188.01	23,020	41.33	8,730	69.24	84,547	102.96	19,830	22.53	395,845	118.01
Rogue River 1st qtr.	24,750	204.44	0		3,850	70.71	110	14.13	10,570	164.63	48,810	157.15
2d qtr. 3d qtr.	22,775 29,665	159.25 105.60	0		520 1,067	27.05 54.21	0		16,755 19,405	97.87 159.47	44,841 57,797	117.49 114.85
4th qtr.	22,675	209.96	Ö		1,205	147.22	Ö		11,330	108.55	41,890	161.45
Total and average	99,865	166.02	0		6,642	78.52	110	14.13	58,060	132.70	193,338	137.05
Siskiyou	22 205	205.84	0		110	45.00	1 460	9.02	200	11 02	40 970	102.05
1st qtr. 2d qtr.	33,305 37,750	133.89	0		110 860	45.98 24.16	1,460 40	8.92 33.38	200 530	11.92 12.76	40,870 49,450	182.95 122.69
3d qtr. 4th qtr.	36,560 16,110	167.95 161.83	0		150 290	102.11 48.12	2,300 490	12.86 24.10	880 0	42.49	45,527 20,700	162.97 194.58
Total and average	123,725	167.47	0		1,410	35.82	4,290	13.00	1,610	28.91	156,547	159.64
Siuslaw	***	150.01									450 400	
1st qtr. 2d qtr.	118,891 55,931	168.04 169.09	0		0		14,160 9,320	84.68 114.63	0		150,423 70,127	145.39 151.61
3d qtr. 4th qtr.	49,228 48,216	124.96 147.33	0		0		5,330 3,060	38.27 63.55	0 100	43.97	62,375 55,930	106.88 133.35
Total and average	272,266	156.80	0		0		31,870	83.65	100	43.97	338,855	137.60
Umpqua												
1st qtr. 2d qtr.	123,411 47,883	221.48 203.88	0		0		5,900 2,500	19.97 18.96	12,600 0	10.44	167,911 58,931	168.46 168.97
3d qtr. 4th qtr.	60,640 44,850	162.88 142.15	0		1,390	123.59	800	45.70	1,270	7.35	81,230 50,890	137.43 135.45
Total and average	276,784	192.74	0		1,390	123.59	9,200	21.93	13,870	10.16	358,962	156.84
Willamette	270,707	222777			2,050		2,200		20,0.0			
1st qtr.	179,580	193.90 147.59	0		500 0	34.13	30,760 10,730	13.10 84.17	8,660 1,440	19.68 23.79	301,018 103,322	119.98 111.70
2d qtr. 3d qtr.	66,320 84,610	194.59	0		1,300	137.97	19,690	33.75	940	59.40	138,995	130.50
4th qtr.	91,215	172.10	0		0		17,840	48.31	2,300	11.05	149,255	119.77
Total and average	421,725	182.04	0		1,800	109.13	79,020	35.84	13,340	21.44	692,590	120.81
All western Oregon: 1st qtr.	576,892	197.91	4,120	27.70	5,940	53.09	95,025	51.14	32,240	63.46	899,481	139.71
2d qtr. 3d qtr.	254,298 288,955R	166.50 161.59R	1,150 11,400	21.91 49.78	2,470 4,907	55.25 90.62	30,830 47,135	98.11 60.04	20,035 32,775	84.11 102.67	368,625 468,513	134.08 124.05
4th qtr.	256,484	160.52	6,350	38.53	6,655	97.42	36,047	103.97	21,760	70.44	399,518	129.13
Total and average	1,376,629	177.52	23,020	41.33	19,972	77.35	209,037	69.18	106,810	80.79	2,136,137	133.33
Western Washington: Gifford Pinchot												
1st qtr. 2d qtr.	45,050 67,290	116.43 143.18	0		0		17,800 13,750	90.65 49.96	24,315 19,085	92.27 81.11	101,545 115,155	112.84 107.04
3d qtr.	40,881	113.83	0		0		11,630 10,253	55.24 56.35	36,690 16,060	57.15 103.94	104,881 103,814	71.25 125.71
4th qtr.	64,534	158.46					10,233		10,000		100,014	123.71
Total and average	217,755	147.01	0		0		53,433	65.89	96,150	78.61	425,395	104.15
Mount Baker-Snoqualmie 1st qtr.	9,370	104.91	0		0		30,893.	52.63 67.19	11,200	86.55 133.81	70,810 88,278	57 <b>.2</b> 4 75.51
2d qtr. 3d qtr.	17,835 7,790	67.54 96.14	0		0		39,531 16,256	93.03	13,410 7,945	65.88	42,481	84.42
4th qtr.	15,315	81.19	0		0		10,745	64.00	17,760	78.22	52,940	68.94
Total and average	50,136	78.90	0		0		97,425	66.53	50,315	92.96	254,509	70.55
Olympic 1st qtr.	46,930	26.79	0		0		79,970	43.98	0	150 44	155,480	34.12
2d qtr. 3d qtr.	17,310 48,100	97.56 76.61	0		0		53,680 33,090	65.40 58.00	2,900 7,850	159.44 68.39	93,857 139,250	76.36 47.79
4th qtr.	10,400	107.52	0		800	97.18	16,290	76.71	17,300	21.54	56,190	69.47
Total and average	122,740	63.13	0		800	97.18	183,030	55.71	28,050	48.91	444,777	51.77
	,	,										

Table 33--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$  (continued) (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

MATTOMAL		DOUGLA	S-FIR			OSA ANO	WEST		FD.1.	Eine3/		
NATIONAL FOREST	WEST	SIDE	EAST	SIOE	JEFF KE	Y PINES	HEML	.0CK	TRUE	FIRS3/	ALL	SPECIES
	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOL UME	VALUE	VOLUME	VALUE
All western Washingt												
1st qtr. 2d qtr.	101,350 102,435	94.01 122.30	0		0		128,663 106,961	52.51 64.07	35,515 35,395	90.46 107.52	327,835 297,290	63.50 87.99
3d qtr.	96,771	93.91	0		0		60,976	66.81	52,485	60.16	286,612	61.80
4th qtr.	90,249	139.48	0		800	97.18	37,288	67.46	51,120	67.12	212,944	96.74
Total and average	390,811	111.90	0		800	97.18	333,888	60.50	174,515	77.97	1,124,681	75.83
All western Oregon and western Washington:												
1st qtr.	678,242	182.39	4,120	27.70	5,940	53.09	223,688	51.93	67,755	77.92	1,227,316	119.36
2d qtr. 3d qtr.	356,733 385,732R	153.81 144.61R	1,150 11,400	21.91 49.78	2,470 4,907	55.25 90.62	137,791 108,111	71.69 63.86	55,430 85,260	99.06 76.50	665,915 755,125	113.50
4th qtr.	346,733	155.05	6,350	38.53	7,455	97.39	73,335	85.40	72,880	68.11	612,462	117.87
Total and average	1,767,440	163.01	23,020	41.33	20,772	78.11	542,925	63.84	281,325	79.04	3,269,818	113.50
Eastern Oregon:												
Deschutes 1st qtr.	0		0		28,160	144.71	0		130	3.68	40,710	104.32
2d gtr.	0		1,720	117.09	9,913	228.70	0		197	20.00	25,049	112.34
3d qtr. 4th qtr.	0		430 0	39.21	27,207 10,040	175.42 271.46	0		4,100 50	18.37 1.00	72,047 10,588	77.75 258.45
Total and average	0		2,150	10.43	75,320	183.75	0		4,477	17.82	148,694	103.77
Fremont									ŕ			
1st qtr. 2d qtr.	0		0		12,290 22,450	67.24 196.39	0		3,750 1,300	11.24 10.93	25,455 23,950	45.33 184.69
3d qtr.	0		0		51,943	125.27	0		9,320	41.25	66,698	106.60
4th qtr.	0		0		7,580	137.02	0		5,400	28.89	12,980	92.00
Total and average	0		0		94,253	135.60	0		19,770	30.19	129,083	107.54
Malheur	0		5 015	11 71	62 220	117.01	0		4 625	2.50	75 045	00.45
lst qtr. 2d qtr.	0		5,815 1,630	11.71 9.50	62,330 27,930	117.01 133.96	0		4,635 1,156	2.58 8.75	75,845 30,975	99.45 123.68
3d qtr. 4th qtr.	0		7,141 6,295	8.82 19.80	34,929 23,260	171.37 137.77	ں 0		3,510 4,155	8.38 18.35	50,800 39,250	121.82 87.22
Total and average	0		20,881	12.99	148,449	135.93	0		13,456	9.51	196,870	106.63
Ochoco lst qtr.	0		2,400	16.29	44,170	77.54	0		0		46,570	74.38
2d qtr. 3d qtr.	0		4,250 4,770	27.83 8.88	18,120 31,347	91.60 109.82	0		1,700 0	24.29	24,070 36,117	75.59 96.47
4th qtr.	0		2,350	18.86	27,420	139.01	0		1,665	15.82	33,685	115.38
Total and average	0		13,770	17.73	121,057	101.93	0		3,365	20.10	140,442	90.11
Umatilla	0		7 000	27 00	6 000	120 20	0		12 500	10.20	40. 770	20.22
1st qtr. 2d qtr.	0		7,000 1,000	27.90 9.65	6,000 1,300	120.39 13.65	0		13,500 4,800	19.39 28.57	40,770 10,100	29.23 17.58
3d qtr. 4th qtr.	0		4,600 5,420	10.57 26.09	4,710 3,570	63.06 32.93	0		21,600 21,170	23.79 28.73	48,660 49,900	27.63 17.88
Total and average	0		18,020	21.92	15,580	74.12	0		61,070	24.90	149,430	24.13
Wallowa-Whitman 1st gtr.	0		12,405	19.60	14,340	62.81	0		12,700	18.91	61,545	24.53
2d qtr. 3d qtr.	0		16,930 4,100	11.30 27.27	14,120 4,208	39.06 159.16	0		10,100 920	5.25 40.17	43,446 13,758	18.40 69.44
4th qtr.	0		4,060	26.62	10,392	137.80	0		6,500	26.22	36,237	50.17
Total and average	0		37,495	17.45	46,060	82.53	0		30,220	16.57	154,986	32.79
Winema	0		800	6.41	48,600	247.80	0		10,900	62.57	66,000	195.24
1st qtr. 2d qtr.	0		0		4,700	112.84	0		11,200	130.49	16,600	120.65
3d qtr. 4th qtr.	0		0		13,350 19,220	228.40 197.25	0		4,750 270	31.57 102.00	18,900 25,300	170.68 156.35
Total and average	0		800	6.41	85,870	225.00	0		27,120	85.59	126,800	174.06
All eastern Oregon:			00 (00	10.0	015 000	125.61			45 615	27.16	255,005	00.67
1st qtr. 2d qtr.	0		28,420 25,530	19.38 21.00	215,890 98,533	135.54 133.73	0		45,615 30,453	27.15 56.52	356,895 174,190	89.67 91.09
3d gtr.	0		21,041	13.43	167,694	147.43	0		44,200	26.93 27.16	306,980 207,940	90.92 86.87
4th qtr.	0		18,125	23.09	101,472	158.41	U		39,210	27.10	207, 740	30.07
Total and average	0		93,116	19.20	583,589	142.63	0		159,478	32.70	1,046,305	89.57

Table 33--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region,  $1983\frac{1}{2}$  (continued) (Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

NATIONAL		00UGL#	IS-FIR			DSA AND Y PINES	WEST HEML		TRUE	FIRS3/	ALL S	SPECIES
FOREST	WEST_ VOLUME	VALUE	VOL UME	VALUE	VOL UME	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME	VALUE
	1020/12		40E 011E	THEOL	**************************************	- TALOL	*OCONE	TALUL	VOLONE	VALUE	AOFONE	VALUE
Eastern Washington:												
Colville 1st qtr.	0		77	80.89	700	24.04	176	50.25	2,300	12.95	30,600	20.29
2d qtr.	0		3,998	160.63	0		74	65.82	3,905	16.83	14,935	58.10
3d qtr.	0		7,00	51.29	3,300	96.79	1,792	6.94	110	47.53	31,210	39.78
4th qtr.	0		772	108.97	750	151.97	0		7,380	53.53	20,494	69.90
Total and average	0	20 m	11,847	92.14	4,750	94.72	2,042	12.81	13,695	36.17	97,239	42.81
Okanogan	0		00.000	07.56								
1st qtr. 2d qtr.	0		20,300 22,000	27.56 67.45	9,200 1,935	141.17 71.00	0		0		31,300 23,935	61.09
3d qtr.	0		16,500	40.22	7,054	13.72	0		0		24,754	67.74 32.22
4th qtr.	0		16,300	64.71	1,200	115.00	0		0		18,800	64.22
Total and average	0		75,100	50.09	19,389	86.18	0		0		98,789	56.06
Wenatchee												
1st qtr.	0		5,260 4,930	127.60 121.51	2,100 2,400	68.18 41.32	2,140 0	19.13	5,010	114.81	6,720	86.67 62.00
2d qtr. 3d qtr.	0		56,019	27.90	13,070	67.17	16,500	6.21	4,025 31,950	18.65 17.61	14,320 125,732	25.49
4th qtr.	0		7,685	14.23	6,315	58.18	0		6,470	43.26	21,580	35.72
Total and average	0		73,894	39.82	23,885	62.29	18,640	7.70	47,455	31.46	178,352	35.40
All eastern Washingto												
1st qtr.	0		25,637	48.24	12,000	121.56	2,316	21.49	7,310	82.76	78,620	50.65
2d qtr. 3d qtr.	0		30,928 79,519	88.11 32.51	4,335 23,424	54.57 55.25	74 18,292	65.82 6.28	7,930 32,060	17.76 17.70	53,190 181,696	63.49 28.86
4th qtr.	Ö		24,757	50.42	8,265	74.91	0		13,850	48.73	60,874	56.03
Total and average	0		160,841	48.47	48,024	75.14	20,682	8.20	61,150	32.51	374,380	42.77
All eastern Oregon												
and eastern Washington:	0		54,057	33.08	227,890	134.80	2,316	21.49	52,925	34.84	435,515	82.62
1st qtr. 2d qtr.	ő		56,458	57.77	102,868	130.40	74	65.82	38,383	48.51	227,380	84.63
3d qtr.	0		100,560	28.52	191,118	136.13	18,292	6.28	76,260	23.05	488,676	67.85
4th qtr.	0		42,882	38.87	109,737	152.12	0		53,060	32.79	267,014	79.84
Total and average	0		253,957	37.74	631,613	137.50	20,682	8.20	220,628	32.65	1,418,585	77.33
Pacific Northwest Region		100.20	50 177	20.00	022 020	120 72	006 004	F1 60	100 600	F0 0F	1 660 001	100.74
1st qtr. 2d qtr.	678,242 356,733	182.39 153.81	58,177 57,608	32.69 56.70	233,830 105,338	132.73 128.63	226,004 137,865	51.62 71.69	120,680 93,813	58.85 78.38	1,662,831 893,295	109.74
3d qtr.	385,732R	144.61R	111,960	30.68	196,025	134.99	126,403	55.53	161,520	51.26	1,243,801	87.92
4th qtr.	346,733	155.05	49,232	38.82	117,192	148.64	73,335	85.40	125,940	53.23	888,276	106.11
Total and average 1	,767,440	163.01	276,977	38.04	652,385	135.61	563,607	61.80	501,953	58.65	4,679,403	102.53
All of Oregon:	E76 000	107.01	22 540	20 42	221 020	122 22	05 025	E1 14	77 055	12 10	1 256 276	125 50
1st qtr. 2d qtr.	576,892 254,298	197.91 166.50	32,540 26,680	20.43 21.04	221,830 101,003	133.33 131.81	95,025 30,830	51.14 98.11	77,855 50,488	67.47	1,256,376 542,815	120.28
3d qtr.	288,955R	161.59R	32,441	26.20	172,601	145.82	47,135	60.04	76,975	59.18	775,493	110.93
4th qtr.	256,484	160.52	24,475	27.09	108,127	154.66	36,047	103.97	60,970	42.60	607,658	114.41
Total and average 1	,376,629	177.52	116,136	23.59	603,561	140.47	209,037	69.18	266,288	51.99	3,180,342	119.01
All of Washington:	101	04.04	05 605	40.00	10.000	101 50	100 070	F1 05	40.005	00.15	406 455	61 0-
1st qtr.	101,350	94.01	25,637	48.24 88.11	12,000	121.56 54.57	130,979 107,035	51.96 64.08	42,825 43,325	89.15 91.09	406,455 350,480	61.01 84.27
2d qtr. 3d qtr.	102,435 96,771	122.30 93.91	30,928 79,519	32.51	4,335 23,424	55.25	79,268	52.84	84,545	44.06	468,308	49.02
4th qtr.	90,249	139.48	24,757	50.42	9,065	76.87	37,388	67.46	64,970	63.20	273,818	87.69
Total and average	390,811	111.90	160,841	48.47	48,824	75.50	354,570	57.45	235,665	66.18	1,499,061	67.58

Source--U.S. Oepartment of Agriculture. Pacific Northwest Region includes Oregon and Washington.

2/Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

<sup>1/</sup>Preliminary.

<sup>3/</sup> Does not include noble fir or Shasta red fir.

R = revised.

Table 34--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1978-83

(In thousand board feet, Scribner scale)

					19	1982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	4TH QTR.	1ST QTR.	2D QTR.	3D QTR.	4TH QTR.	TOTAL
Montana: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana	533,161 4,576 6,880 25,036	512,023 9,148 37,468 28,110	579,943 11,079 25,405 24,662	536,133 9,061 24,693 28,853	547,509 6,265 17,198 25,417	132,058 128 6,072 6,980	123,057 75 453 5,481	220,534 557 5,674 5,922	155,954 14,044 1,755 5,918	90,330 1,699 5,254 6,232	589,875 16,375 13,136 23,553
Total	569,653	586,749	642,089	598,740	596,442	145,238	129,066	232,687	177,671	103,515	642,939
Idaho: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Idaho	836,629 27,656 8,491 120,261	843,992 778 1,609 179,307	828,507 19,283 2,381 222,137	741,147 33,221 14,484 14,820	687,320 11,538 7,070 38,727	113,054 562 0 15,142	131,481 238 0 22,012	176,129 7,950 8,376 28,525	280,086 3,851 0 8,901	98,954 94 229 23,236	686,650 12,133 8,605 82,674
Total	993,039	1,025,686	1,072,308	803,672	744,655	128,758	153,731	220,980	292,838	122,513	790,062
All public lands: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana State of Idaho	1,369,790 32,232 15,371 25,036 120,261	1,356,015 9,926 39,077 28,110 179,307	1,408,450 30,362 27,786 24,662 222,137	1,277,280 42,282 39,177 28,853 14,820	1,234,829 17,803 24,268 25,470 38,727	245,112 690 6,072 6,980 15,142	254,538 313 453 5,481 22,012	396,663 8,507 14,050 5,922 28,525	436,040 17,895 1,755 5,918 8,901	189,284 1,793 5,483 6,232 23,236	1,276,525 28,508 21,741 23,553 82,674
Total	1,562,690	1,612,435	1,713,397	1,402,412	1,341,097	273,996	282,797	453,667	470,509	226,028	1,433,001

Source--respective agencies listed.

 $^{1}\mathsf{Convertible}$  products only.

 $^2\mathrm{Does}$  not include cull log sales.

Table 35--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1978-83

(In dollars per thousand board feet)

					1982	32			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	4ТН ОТК.	1ST QTR.	2D QTR.	зо отк.	4ТН ОТК.	AVERAGE
Montana: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana	62.12 50.25 35.78 104.76	59.66 41.99 114.61 114.36	43.31 60.39 104.81 79.44	57.46 39.52 65.05 99.28	29.80 32.17 73.50 81.39	30.37 15.38 57.84 56.08	34.73 7.93 17.56 62.74	33.39 14.90 50.03 82.52	30.91 23.98 16.20 112.02	39.63 16.10 66.87 76.37	33.97 22.78 51.13 83.70
Average	63.58	65.52	47.43	59.52	33.28	32.74	35.84	35.00	32.92	42.84	35.86
Idaho: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Mange. <sup>2</sup> U.S. Bur. Indian Affairs State of Idaho	52.10 83.46 67.51 133.14	63.56 63.70 119.89 102.23	40.74 47.09 129.09 92.21	43.27 55.45 83.15 101.83	28.28 26.71 78.79 45.28	23.32 23.66  34.70	54.29 9.34  90.53	44.91 76.90 78.87 64.02	48.03 78.13  36.06	39.00 24.62 72.84 74.61	47.13 75.56 78.71 71.04
Average	62.92	70.41	51.71	44.88	29.62	24.72	59.41	49.82	48.06	45.80	50.41
All public lands: U.S. Forest Service <sup>1</sup> U.S. Bur. Land Manage. <sup>2</sup> U.S. Bur. Indian Affairs State of Montana State of Idaho	56.00 78.75 53.31 104.76 133.14	62.09 43.69 114.83 114.36 102.23	41.80 51.94 106.53 79.44 92.21	49.22 38.92 71.74 99.28 101.83	28.95 28.63 75.04 81.39 45.28	27.10 22.12 57.84 56.08 34.70	44.83 9.00 17.56 62.74 90.53	38.51 72.84 67.23 82.52 64.02	41.91 35.63 16.20 112.02 36.06	39.30 16.54 67.12 76.37 74.61	41.05 45.24 62.04 83.70 71.04
Average	63.16	68.63	50.11	51.13	31,25	28.97	48.65	42.22	42.34	44.45	43.88

Source--respective agencies listed.

¹Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

<sup>2</sup>Does not include cull log prices.

Table 36--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1972-83 $^{
m 1}$ 

(In dollars per thousand board feet)

YEAR AND QUARTER	DOUGLAS- F IR	PONDEROSA PINE	WESTERN WHITE PINE	LODGEPOLE PINE	ENGELMANN SPRUCE	WESTERN HEMLOCK	CEDARS	LARCH	TRUE FIRS	ALL SPECIES
	26.70	35.50	30.30	16.50	27.00	12.90	28.50	34 30	19.20	26 50
	50.70	66.50	65.90	38.30	65.80	42.60	45.20	66.30	46.10	53.30
	31.90	63.50	117.80	19.40	39.10	28.90	26.50	38,90	29.20	44.70
	14.40	22.40	36.20	19.20	10.90	2.00	42.50	20.30	4.80	18,30
	23.00	56.80	91.40	16.70	42.20	09.60	45.80	52.90	9.30	35.40
	41.50	09°96	122.70	38,30	61.40	11.90	72.00	72.20	20.20	53.20
	41.20	113.50	146.00	44.70	85.80	42.50	144.90	09.69	37.30	64.80
	51.90	127.20	185.60	34.40	75.90	62.10	117.20	91.40	43.90	70.90
	20.50	112.70	80.10	42.70	44.10	171.80	123.20	73.80	30.10	53.40
	44.20	74.20	149.70	54.50	63.00	61.40	95.60	67.20	78.40	63.90
	26.60	48.10	81.40	34.60	27.20	71.10	06.09	28.30	37.70	36.20
1st quarter	38.30	63.90	108.40	26.50	32.30	71.60	133.40	46.00	48.60	48.12
arter	35.40	24.30	120.60	40.60	31.10	58.20	140.80	61.00	84.20	51.90
arter	62.99	32.97	68.95	31.60	86.90	32.10	163.10	31.70	31.20	63.10
Jarter	23.40	152.70	86.50	33.50	09°29	2.10	06°96	52.40	101.10	52.40
1983 average	42.50	60.50	96.30	34.10	55.20	47.50	142.80	51.00	65.10	53.70

Source--Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for 1 Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, road costs; it includes an allowance for sale-area betterment (K-V funds).

Table 37--Volume of timber sold on publicly owned or managed lands in Alaska, 1978-83 (In thousand board feet, Scribner scale)

						1982			1983		
AGENCY	1978	1979	1980	1981	TOTAL	4TH QTR.	1ST QTR.	2D QTR.	3D QTR.	4ТН ОТК.	TOTAL
U.S. Forest Service <sup>1</sup>	175,140	93,733	145,285	163,700	71,429	252	978	969*9	71,502	1,298	80,474
U.S. Bur. Land Manage. <sup>2</sup>	142	22	125	32	1,270	0	0	0	0	0	0
U.S. Bur. Indian Affairs	440	258,360	12,794	200	7,680	0	0	0	0	0	0
State of Alaska	6,932	156,235	4,949	18,402	24,154	2,666	3,900	3,960	6,282	58,003	72,145
Total	182,654	508,350	163,153	182,334	104,533	2,918	4,878	10,656	77,784	59,301	152,619

Source--respective agencies listed.

1Convertible products only.

2boes not include cull log sales or volume given away through free use permits.

Table 38--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1978-83 (In dollars per thousand board feet)

					1	1982			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	AVERAGE 4TH QTR.	1ST QTR.	2D QTR.	3D QTR.	4TH QTR.	AVERAGE
U.S. Forest Service <sup>1</sup>	51.73	159.71	101.72	46.91	32.03	45.15	17.24	65.76	9.84	21.86	14.78
U.S. Bur. Land Manage. <sup>2</sup>	94.72	34.09	00°9	34.00	28.08	1	1	;	1	1	;
U.S. Bur. Indian Affairs	80.00	5.31	151.83	2.00	122.40	;	;	1	1	1	1
State of Alaska	26.60	3.22	24.63	19.21	18.23	20.41	17.06	18.93	96.9	106.12	87.96
Average	50.88	33.14	103.24	44.06	35.43	22.58	17.09	48.21	9.61	104.27	49.33

Source--respective agencies listed. Includes products other than sawtimber.

1 Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Does not include cull log sales or volume given away through free use permits.

Table 39--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region,  $1972-83^{1}$ 

(In dollars per thousand board feet)

YEAR AND QUARTER	SITKA SPRUCE	WESTERN HEMLOCK	CEDAR AND OTHER SOFTWOODS	ALL SPECIES
1972	7.30	7.90	1.00	7.60
1973	13.30	11.50	21.10	12.50
1974	41.80	22.30	41.70	28.80
1975	33.00	18.10	60.70	23.20
1976	25.10	12.00	67.30	28.00
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982 1st quarter	30.10	6.20	1.60	10.60
2d quarter	34.90	6.40	27.10	30.80
3d quarter	128.20	23.60	71.80	47.40
4th quarter	66.30	6.70	3.90	22.80
, and the				
1982 average	39.00	14.50	35.70	32.40
1983				
1st quarter	24.50	7.70	13.80	17.10
2d quarter	70.50	47.20	6.90	60.50
3d quarter	19.95	5.00	8.90	9.80
4th quarter	17.00	5.80	7.00	20.30
1983 average	29.00	6.70	8.90	14.60

Source--Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

1Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

Table 40--Volume of timber sold on publicly owned or managed lands in California, 1978-83

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					1982				1983		
AGENCY	1978	1979	1980	1981	TOTAL	4TH QTR.	1ST QTR.	20 QTR.	3D QTR.	4TH QTR.	TOTAL
U.S. Forest Service <sup>1</sup>	2,001,607	2,071,263	2,001,607 2,071,263 1,875,796 1,899,263	1,899,263	1,617,664	304,497	437,956	458,723	667,712	222,290	1,786,681
U.S. Bur. Land Manage. <sup>2</sup>	13,107	4,195	17,203	14,471	33,385R	5,254	513	790	7,196	420	8,919
U.S. Bur. Indian Affairs	37,200	33,729	22,230	11,000	63,595	0	0	3,000	0	0	3,000
State of California	27,333	21,833	30,328	10,480	34,726	0	17,342	13,775	335	0	31,452
Total	2,079,247	2,131,020	1,945,557	2,079,247 2,131,020 1,945,557 1,935,214	1,749,370R	309,751	455,811	476,288	675,243		222,710 1,830,052

Source--respective agencies listed.

<sup>1</sup>Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

2Does not include cull log sales or volume given away through free use permits.

R = revised.

Table 41--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1978-83 (In dollars per thousand board feet)

					12	1982			1983		
AGENCY	1978	1979	1980	1981	AVERAGE	4ТН ОТВ.	1ST QTR.	2D QTR.	3D QTR.	4ТН ОТВ.	AVERAGE
U.S. Forest Service <sup>1</sup>	145.57	201.08	241.39	149.78	53.87	51.72	83.83	98*09	64.77	82.59	99.02
U.S. Bur. Land Manage. <sup>2</sup>	96.39	102.59	173.25	84.26	41.10	37.97	83.84	20.07	88.41	55.96	78.47
U.S. Bur. Indian Affairs	125.34	157.70	158.28	224.73	153.90	i	1	110.00	-	1	110.00
State of California	273.35	370.76	283.94	190.57	133.93	1	247.97	116.05	97.64	1	188.59
Average	146.58	201.94	240.51	180.70	58.86	51.49	90.04	62.70	62.70 65.04	82.54	72.79

Source--respective agencies listed.

Iprices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2Does not include cull log sales or volume given away through free use permits.

Table 42--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region,  $1972-83^1$ 

(In dollars per thousand board feet)

		PONDEROSA					
		AND					
YEAR AND	DOUGLAS-	JEFFREY	SUGAR	LODGEPOLE		TRUE	ALL
QUARTER	FIR	PINES	PINE	PINE	CEDARS	FIRS	SPECIES
1972	40.70	65.80	66.60	5.40	50.10	30.20	47.40
1973	84.80	108.60	89.30	12.40	86.40	70.20	83.10
1974	87.00	101.40	104.00	6.50	112.00	41.70	81.80
1975	51.40	71.00	99.00	22.40	79.90	19.70	53.80
1976	76.00	101.80	185.00	6.50	84.00	23.40	80.40
1977	124.30	131.40	168.50	165.20	337.90	50.60	121.10
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981 1982	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1st quarter	55.30	93.80	79.30	33.90	303.00	36.10	66.80
2d quarter	43.20	66.20	55.50	22.60	106.90	43.10	55.30
3d quarter	55.70	58.10	78.20	27.40	62.30	24.90	50.00
4th quarter	44.60	70.90	45.00	17.60	49.40	47.10	54.20
1982 average	50.00	66.90	72.00	27.80	70.30R	36.30	54.50
1983							
1st quarter	75.70	84.60	149.30	37.80	109.60	72.20	85.10
2d quarter	48.30	119.40	70.80	25.40	99.40	43.60	65.70
3d quarter	56.40	90.10	169.40	22.80	57.20	48.40	73.70
4th quarter	79.80	154.30	36.20	137.00	116.20	54.40	92.90
1983 average	63.30	104.00	28.80	136.70	84.60	53.80	76.90

Source--Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

 $<sup>^1\</sup>mathrm{Prices}$  received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

R = revised.

Table 43--Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1972-83

	COL	/ILLE <sup>1</sup>	OESC	HUTES	FRE	MONT	GIFFORG	PINCHOT	MALI	HEUR	MOUNT BAKER- SNOQUALMIE <sup>2</sup>		MOUNT HOOO	
YEAR ANO QUARTER	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME	SALES	VOLUME
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1972	0		0		0		23	84,440	0		0		0	
1973	0		0		2	25,600	12	18,740	0		Ö		ő	
1974	4	30,100	0		4	46,300	33	172,615	1	650	8	26,860	11	63,527
1975	4	13,855	0		5	66,920	18	147,050	2	2,135	8	56,320	17	66,390
1976	1	2,263	0		i	15,200	7	68,250	Ō	-,	2	8,350	4	10,658
1977	3	13,800	7	63,290	8	69,000	13	192,500	0		10	70,450	15	76,379
1978	4	43,500	0		ī	357	15	161,500	Ö		0		20	83,836
1979	5	42,760	4	2,150	11	79,460	0		0		19	11,575	34	86,586
1980	2	20,400	3	2,032	6	44,360	16	113,140	0		18	6,763	44	26,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982 1983	10	38,460	9	9,580	8	13,440	18	30,920	0		12	4,400	31	16,246
1st qtr.	1	400	0		2	8,900	2	10,020	1	545	3	8,470	4	1,230
2d qtr.	1	575	1	640	3	10,500	3	1,620	1	130	4	745	4	872
3d gtr.	2	1,520	0		6	37,120	6	3,231	2	490	1	800	17	4,852
4th qtr.	0		0		1	370	11	3,800	0		3	1,060	7	9,951
1983 total	4	2,495	1	640	12	56,890	22	18,671	4	1,165	11	11,075	32	16,905

	100	000	OKAI	NOGAN	OL Y	MPIC	ROGUE	RIVER	SIS	KIYOU	SIU	SLAW	UMA	TILLA
YEAR AND QUARTER	SALES	VOLUME	SALES	VOL UME	SALES	VOLUME								
	Number	Thousand bd ft												
1972	0		0	~ ~	8	32,897	0		0		8	26,356	11	198,116
1973	0		0		22	92,199	0		17	94,680	14	72,701	5	22,400
1974	0		3	19,000	12	78,990	28	98,752	12	52,775	34	174,471	11	74,710
1975	3	39,550	2	21,000	8	53,842	24	143,665	22	59,331	26	201,478	5	28,620
1976	3	19,270	2	9,300	5	45,579	18	46,254	7	22,335	17	118,763	6	23,110
1977	0		1	11,500	2	30,926	25	100,807	14	58,980	17	91,027	7	31,100
1978	5	34,300	0		6	44,615	47	171,251	13	62,300	39	231,303	0	
1979	3	23,500	7	20,105	12	106,105	50	118,818	2	270	16	120,834	4	35,500
1980	1	7,700	2	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	5	35,000	2	13,100	6	58,500	54	168,580	24	78,733	44	201,038	7	36,936
1982	3	1,100	3	15,750	4	1,860	26	85,272	33	45,719	44	94,808	1	150
1983														
1st qtr.	0		0		1	140	2	990	4	25,440	6	904	2	5,400
2d gtr.	0		0		1	330	19	37,665	5	2,900	3	576	2	10,100
3d qtr.	2	640	0		1	1,740	21	41,780	3	1,175	4	711	1	16,900
4th qtr.	0		0		1	4 50	4	6,200	2	240	2	760	0	
1983 total	2	640	0		4	2,660	46	86,635	14	29,755	15	2,951	5	32,400

YEAR ANO	SALES									NEMA		FORESTS
QUARTER		VOLUME	SALES	VOLUME								
	Number	Thousand bd ft										
1972	0		0		0		0		0		50	341,809
1973	0		8	77,400	0		7	58,510	5	22,460	92	484,690
1974	22	124,807	0		0	~ ~	7	61,520	5	35,550	195	1,060,627
1975	29	146,668	0		2	17,400	10	137,810	9	69,600	194	1,271,634
1976	21	55,093	0		0		19	121,100	5	38,040	118	603,565
1977	29	128,705	0		0		48	174,585	8	35,110	207	1,148,159
1978	29	125,330	0		0		33	177,660	13	60,006	225	1,195,958
1979	35	169,212	0		5	23,100	53	146,366	6	59,050	266	1,045,391
1980	31	166,650	7	1,799	4	18,000	83	197,229	4	30,400	281	930,670
1981	49	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982 1983	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1st gtr.	5	1,730	0		2	10,500	15	10,838	0		50	85,507
2d gtr.	2	820	0		2	9,450	13	36,063	0		64	112,986
3d gtr.	1	305	3	1,907	6	13,870	4	8,065	1	4,000	81	139,106
4th qtr.	5	280	0		1	60	11	23,055	1	8,500	49	54,726
1983 total	13	3,135	3	1,907	11	33,880	43	78,021	2	12,500	244	392,325

Source--Forest Service, U.S. Oepartment of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

1 July 1, 1974, Colville National Forest in Washington became part of the Pacific Northwest Region.

2July 1, 1974, Snoqualmie National Forest was merged with the Mount 8aker National Forest.



Ruderman, Florence K. Production, prices, employment, and trade in Northwest forest industries, fourth quarter 1983. Resour. Bull. PNW-111. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1984. 53 p.

Provides current information on the lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing, (forest products), import/export (forest products), markets (external), economics (forestry business).

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.

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