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LOG PRICES IN WESTERN WASHINGTON
AND NORTHWEST OREGON, 1963-68¹/

bу

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ABSTRACT

An annual series of log prices is shown for seven principal species in western Washington and northwest Oregon. The average reported log price rose 60.3 percent between 1963 and 1968. Much of this increase is accounted for by log exports and the trend toward more value added in sorting and other handling as the mixture of log species, sizes, and grades are channeled to different outlets. Prices for export logs rose considerably more than for other logs.

Average annual log prices from 1963 to 1968 are presented by log grade for seven principal species in tables 1-8. These species include Douglas-fir, western hemlock, noble fir, white fir, western redcedar, Sitka spruce, and western white pine.

Prices are shown for water and inland sales combined and for export sales (sales for export outside the United States). Water sales are those in market areas on towable waters, not identified for export.

This report is based on data from quarterly "Composite Log Sales Analysis" reports published by the Industrial Forestry Association, Portland, Oregon, and is made available with their permission. For 1968, the logs covered by these reports represented approximately 24 percent of the total log harvest from all ownerships in western Washington and the seven northwest Oregon counties.

Inland sales are those in market areas not on towable waters and not identified for export.

General Price Trends

Log prices in western Washington and northwest Oregon rose steadily between 1963 and 1968. The average log price in transactions reported to the Industrial Forestry Association in the Puget Sound, Grays Harbor, and Columbia River Districts was \$55.40 per thousand board feet, Scribner scale, in $1963\frac{2}{}$ and \$88.80 in 1968, an increase of 60.3 percent.

For comparison, the U.S. Bureau of Labor Statistics' wholesale lumber price index for the same period rose 28.6 percent, and the wholesale price index for all commodities rose 8.4 percent.

Prices by Species and Log Grade

The average price of No. 3 Douglas-fir peeler logs, the most common peeler grade, increased 29.7 percent during the period 1963-68 for water and inland sales, from \$83.90 to \$108.80 per thousand board feet, Scribner scale (fig. 1). The average price for export sales of this grade increased 25.2 percent, from \$88.80 to \$111.20 per thousand board feet.

The average price of No. 2 Douglas-fir saw logs for water and inland sales increased 27.8 percent during the same period, from \$61.90 to \$79.10 per thousand board feet; for export sales, the corresponding increase was 40.5 percent, from \$69.70 to \$97.90.

Western hemlock makes up the second highest volume of log harvest in this region and is the highest volume log export species. The average price of No. 2 western hemlock saw logs rose 38.1 percent during 1963-68 in water and inland sales, from \$47.50 to \$65.60 per thousand board feet. In export sales, the price rise was 59.7 percent, from \$60.10 to \$96.

The greatest percentage increase in log prices occurred for Sitka spruce and noble fir, which increased 94.9 and 90.1 percent, respectively, between 1963 and 1968 (all grades, water, inland, and export combined).

 $[\]frac{2}{}$ Data for 1963 are available for the third and fourth quarters only.

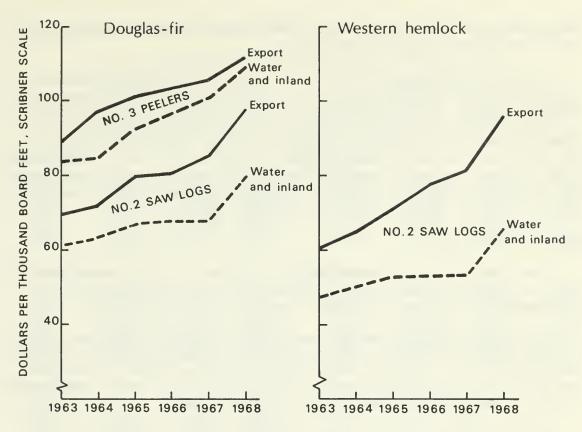


Figure 1.—Average prices for Douglas-fir and western hemlock logs in export sales, and in water and inland sales, for selected grades, 1963-68.

Kinds of Log Markets

Many of the logs harvested annually in western Washington and western Oregon are bought and sold in an open log market before being put to use. These transactions can take several forms.

For example, independent loggers, who purchase public or private stumpage, sell their logs to mills or other outlets. Mills themselves often sort the logs they receive from the woods, selling some to other types of mills or to other outlets, so as to direct each log to the particular type of mill and product for which it is best suited. Also, the recent development of the log export market has introduced log dealer firms specializing in putting together shipments of certain kinds

³/ The open log market refers to log transactions between different individuals or independent firms (not between different departments of the same or related firms). The transactions involve logs in rafts—in rivers, Puget Sound or other harbors—or at dryland locations and do not include stumpage sales of standing timber. Northwest Oregon is defined here as approximately from Salem northward.

of logs for specific export orders. The prices reported here reflect all of the above kinds of transactions.

Most log transactions are on the basis of log grade, as defined by the Puget Sound, Grays Harbor, and Columbia River Log Scaling and Grading Bureaus. The various peeler and saw-log grades were developed to indicate the use for which individual logs are best suited. For example, peeler log grades originally indicated those logs suitable for the rotary peeling of clear veneer. In practice today, many peeler grade logs are actually sawn, and many saw-log grade logs go into veneer for structural grades of plywood. However, the grade distinctions continue to reflect differences in end-product value.

Export Log Sales

The "export sales" classification includes all log transactions that are identified for export, whether at initial scaling points, intermediate points, or final delivery points alongside ship.

Preparing logs for export generally involves extra sorting, towing, trimming, scaling, storage, and financing, as compared with logs destined for domestic use. Logs for domestic use often have some of these same kinds of costs, but usually not as much. This is one reason for export log prices being higher than water or inland prices.

Another reason for higher export log prices is the general requirement that export logs be mostly free of defect and have fewer large knots. This makes them better than the "average" within each log grade, and hence of more value. A third possible reason for higher export prices lies in the general competitive situation of the market. That is, a premium must be paid to divert logs from domestic channels and into export markets to compensate for uncertainty over the long-term availability of this special market, potential government controls, and the risk of alienating steady domestic customers or public opinion.

Export dealers have told us that the logs they handle have a higher relative value to overseas purchasers, who can afford to carry the extra costs of the additional handling and additional transactions through the various levels of log dealers and export trading companies.

Table 1.--Douglas-fir peeler log prices, western Washington and northwest Oregon, 1963-68

(Dollars per thousand board feet, Scribner log 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 peeler:	_			SFP or SM: 1/			
1963 1964 1965 1966 1967 1968	111.30 114.80 121.80 125.70 128.50 143.30	135.00 123.90 140.30 142.00 155.80 155.60	111.40 114.80 122.40 127.60 137.90 149.40	1963 1964 1965 1966 1967 1968	71.20 73.40 78.50 83.60 84.30 96.90	75.00 82.20 89.10 89.90 94.20 103.50	72.00 74.50 80.30 86.10 89.90 100.80
No. 2 peeler:	_			Average:			
1963 1964 1965 1966 1967 1968	99.90 102.20 109.40 114.00 117.60 125.50	112.50 117.50 128.30 133.10 135.40	99.90 102.30 109.50 114.90 122.30 128.60	1963 1964 1965 1966 1967 1968	86.00 85.80 93.90 97.90 103.80 109.80	76.00 86.20 93.90 96.40 108.50 112.40	85.20 85.90 93.90 97.50 105.90
No. 3 peeler:	-						
1963 1964 1965 1966 1967 1968	83.90 84.40 92.50 96.80 100.70 108.80	88.80 97.40 100.70 103.40 105.70 111.20	84.00 85.00 92.80 97.70 103.00 110.20				

 $[\]frac{1}{2}$ Special fir peeler or special mill grade.

Source: Pacific Northwest Forest and Range Experiment Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the point of sale in each transaction. Data for 1963 include third and fourth quarters only.

Table 2.--Douglas-fir saw-log prices, western Washington and northwest Oregon, 1963-68

(Dollars per thousand board feet, Scribner log 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 saw log	<u>ı:</u>			Mixed grade:			
1963 1964 1965 1966 1967 1968	67.30 68.30 72.10 73.20 70.80 89.20	78.30 72.00 93.90 99.60	67.30 68.30 72.20 73.20 72.70 90.90	1963 1964 1965 1966 1967 1968	60.40 66.60 71.00 72.30 81.80	78.80 81.40 78.20 80.40 96.40	64.60 69.70 74.70 78.40 86.60
No. 2 saw log	<u>ı:</u>			<u>Ungraded: 1/</u>			
1963 1964 1965 1966 1967 1968	61.90 63.50 66.60 67.60 67.80 79.10	69.70 71.70 78.70 80.50 85.00 97.90	62.70 64.90 67.90 70.00 73.40 87.50	1963 1964 1965 1966 1967 1968	51.20 38.30 44.20 49.20 46.30 63.40	54.30 58.40 51.10 78.30 68.30 71.40	52.00 39.50 44.20 50.50 53.10 66.90
No. 3 saw log	<u>ı:</u>			Average:			
1963 1964 1965 1966 1967 1968	50.60 52.10 54.20 54.90 54.60 63.90	58.20 60.10 60.70 63.90 70.70 88.00	52.70 53.40 55.40 56.10 57.90 70.60	1963 1964 1965 1966 1967 1968	57.90 57.70 61.50 62.30 61.80 75.00	61.60 68.50 72.50 77.10 80.00 93.20	58.50 59.50 63.00 65.00 68.90 82.00

 $[\]frac{1}{}$ Excludes cull logs and utility logs.

Table 3.--Western hemlock log prices, western Washington and northwest Oregon, 1963-68

(Dollars per thousand board feet, Scribner log 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	
Peeler log:				No. 3 saw log	<u>:</u>			
1963 1964 1965 1966 1967 1968	64.20 66.90 77.20 81.80 82.90 93.30	72.60 80.10 84.80 84.30 96.80 110.20	66.20 72.20 81.00 83.70 94.70	1963 1964 1965 1966 1967 1968	40.30 41.90 44.40 44.60 45.20 55.20	56.20 56.70 62.60 68.90 71.70 87.20	42.70 44.30 50.40 49.60 57.30 74.30	
$\frac{\text{SFP or SM:}}{1}$				Mixed grade:				
1963 1964 1965 1966 1967 1968	57.40 88.00 65.00 66.10 69.10 89.40	60.70 71.90 84.80 80.80 88.00 101.00	60.10 76.40 78.20 79.20 87.20 100.40	1963 1964 1965 1966 1967 1968	46.70 48.20 48.30 50.60 63.40	61.70 67.60 72.60 76.20 89.70	56.60 59.40 62.40 67.70 81.00	
No. 1 saw log:	_			<u>Ungraded:²/</u>				
1963 1964 1965 1966 1967 1968	59.00 62.30 71.60 74.80 75.30 86.80	67.50 75.60 78.80 87.70 91.60 105.60	62.30 68.80 76.10 84.60 90.00 104.40	1963 1964 1965 1966 1967 1968	44.70 41.00 42.80 44.30 45.00 55.80	54.90 53.40 63.30 60.50 66.70 81.00	50.60 45.80 48.50 48.60 52.10 63.90	
No. 2 saw log:	_			Average:				
1963 1964 1965 1966 1967 1968	47.50 50.10 52.70 53.30 53.30 65.60	60.10 64.60 71.00 77.80 81.70 96.00	51.90 55.20 63.10 66.50 75.50 89.90	1963 1964 1965 1966 1967 1968	46.90 47.60 49.30 49.80 49.20 62.20	56.80 62.20 70.00 76.00 80.60 96.00	51.60 55.20 60.40 64.20 70.30 87.60	

^{1/} "Suitable for peeling" or special mill grade.

^{2/} Excludes cull logs and utility logs.

Source: Pacific Northwest Forest and Range Experiment Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the point of sale in each transaction. Data for 1963 include third and fourth quarters only.

Table 4.--Noble fir log prices, western Washington and northwest Oregon, 1963-68

(Dollars per thousand board feet, Scribner log 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	
Peeler log:				No. 3 saw log	<u>:</u>			
1963 1964 1965 1966 1967 1968	66.60 78.70 106.40 102.00 114.00 153.90	96.80 103.60 133.90 145.50 150.20 168.00	94.80 102.20 132.40 144.90 149.90 167.50	1963 1964 1965 1966 1967 1968	43.00 43.60 45.80 46.10 47.40 69.50	57.60 66.80 72.00 75.20 75.70 82.10	50.30 57.70 64.10 69.70 73.30 80.00	
SFP or SM: 1/				Mixed grade:				
1963 1964 1965 1966 1967 1968	53.00 68.70 84.30 83.30 85.80 104.10	73.30 78.60 102.50 116.40 124.20 136.60	72.90 78.20 101.60 115.50 123.40 135.90	1963 1964 1965 1966 1967 1968	60.70 62.00 46.70 51.40 71.00	64.10 87.00 85.40 89.50 99.10	63.70 81.90 75.40 77.50 97.30	
No. 1 saw log	<u>:</u>			Ungraded: $\frac{2}{}$				
1963 1964 1965 1966 1967 1968	57.60 77.50 92.30 82.80 86.70 130.20	87.90 94.10 122.60 131.70 143.20 157.90	86.70 93.50 120.90 130.50 142.50 156.20	1963 1964 1965 1966 1967 1968	51.20 35.80 43.70 40.00 41.50 49.80	57.60 94.10 38.10	55.80 35.80 82.40 40.00 41.50 49.80	
No. 2 saw log	<u>:</u>			Average:				
1963 1964 1965 1966 1967 1968	50.80 50.50 53.90 63.30 67.40 84.90	65.50 69.80 88.40 96.40 101.40 113.30	62.10 62.90 84.00 94.60 100.30 110.90	1963 1964 1965 1966 1967 1968	51.50 54.60 63.20 57.70 48.00 97.80	74.90 84.80 105.30 116.20 123.90 137.40	71.00 80.50 100.60 112.40 114.20 135.00	

 $[\]frac{1}{2}$ "Suitable for peeling" or special mill grade.

²/ Excludes cull logs and utility logs.

Table 5.--White fir log prices, western Washington and northwest Oregon, 1963-68

(Dollars per thousand board feet, Scribner log scale)

Log grade and year	Water and inland sales	Export sales	All sales	Log grade	Water and inland sales	Export sales	All sales
Peeler log:				No. 3 saw log	<u>:</u>		
1963 1964 1965 1966 1967 1968	64.90 66.60 76.10 79.30 81.00 87.10	70.90 81.60 84.80 91.70 95.60 107.00	65.60 70.60 79.60 88.60 92.70 104.90	1963 1964 1965 1966 1967 1968	41.20 42.90 45.40 44.80 47.00 53.10	57.00 57.10 65.10 71.30 74.80 85.80	45.40 44.30 49.80 53.90 60.30 72.20
SFP or SM: 1/				Mixed grade:			
1963 1964 1965 1966 1967 1968	58.90 59.70 66.40 68.40 68.00 79.90	61.60 74.00 78.40 82.20 85.20 97.80	60.20 66.90 73.90 79.40 82.60 97.20	1963 1964 1965 1966 1967 1968	46.80 60.40 55.00 53.60 63.70	60.20 70.40 79.00 82.00 91.40	54.70 66.20 71.70 75.00 81.00
No. 1 saw log:	_			<u>Ungraded:^{2/}</u>			
1963 1964 1965 1966 1967 1968	59.40 62.90 71.40 74.30 74.70 86.10	66.50 76.00 80.40 87.60 90.40 101.20	61.00 67.60 76.40 83.60 87.90 100.00	1963 1964 1965 1966 1967 1968	41.60 38.50 42.60 42.60 44.40 51.70	55.20 54.30 65.70 59.80 68.70 86.70	48.30 44.00 46.90 50.60 49.80 59.10
No. 2 saw log:	_			Average:			
1963 1964 1965 1966 1967 1968	51.00 52.60 55.40 56.50 53.00 63.80	61.10 62.40 72.40 78.60 81.90 94.40	53.00 54.40 62.70 70.30 76.20 90.10	1963 1964 1965 1966 1967 1968	51.10 50.90 56.20 55.20 53.10 61.20	58.40 63.10 73.10 80.00 83.90 95.10	53.40 55.30 63.90 71.10 75.60 87.20

 $[\]frac{1}{}$ "Suitable for peeling" or special mill grade.

^{2/} Excludes cull logs and utility logs.

Source: Pacific Northwest Forest and Range Experiment Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the point of sale in each transaction. Data for 1963 include third and fourth quarters only.

Table 6.--Sitka spruce log prices, western Washington and northwest Oregon, 1963-68

(Dollars per thousand board feet, Scribner log 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 log:				No. 3 saw log	No. 3 saw log:				
1963 1964 1965 1966 1967 1968	88.40 99.30 138.30 136.30 147.60 166.00	99.20 121.60 140.80 147.00 151.00 154.70	91.20 113.00 140.20 144.80 150.50 156.00	1963 1964 1965 1966 1967 1968	41.90 43.10 46.30 46.50 44.30 49.30	48.10 53.20 47.10 63.40 67.10 85.70	42.80 45.70 46.60 49.90 52.10 69.80		
SFP or SM: $\frac{1}{}$				Mixed grade:					
1963 1964 1965 1966 1967 1968	 66.10 67.60	92.90 109.30 102.00	88.10 92.34 102.00	1963 1964 1965 1966 1967 1968	50.30 55.00 67.60 61.00 79.50	68.90 84.50 79.00 97.20 100.50	60.10 64.40 73.40 77.20 86.60		
No. 1 saw log	<u>:</u>			Ungraded: 2/					
1963 1964 1965 1966 1967 1968	71.30 76.90 107.70 101.70 106.10 126.80	83.20 103.80 121.90 132.90 141.40 163.60	74.90 92.80 118.10 127.90 135.30 157.80	1963 1964 1965 1966 1967 1968	51.20 33.60 43.80 46.10 44.00 57.00	51.40 47.70 72.70 65.50 46.70 102.60	51.20 40.50 46.70 50.40 44.20 66.40		
No. 2 saw log	<u>:</u>			Average:					
1963 1964 1965 1966 1967 1968	51.70 57.70 71.70 62.40 64.20 77.90	64.70 76.20 80.70 99.90 95.50 118.50	55.20 65.00 77.30 87.40 89.50 111.50	1963 1964 1965 1966 1967 1968	56.00 58.10 66.10 64.40 62.00 82.40	70.00 83.40 94.90 107.30 107.00 129.10	59.30 69.00 81.20 89.60 92.60 115.60		

 $[\]frac{1}{2}$ "Suitable for peeling" or special mill grade.

²/ Excludes cull logs and utility logs.

Table 7.--Western redcedar log prices, western Washington and northwest Oregon, 1963-68

(Dollars per thousand board feet, Scribner log 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 saw log	<u>:</u>			Mixed grade:			
1963 1964 1965 1966 1967 1968	74.30 76.60 84.20 87.10 81.60 98.00	83.00 84.80 97.00 101.60 112.00 127.20	74.50 76.80 85.10 88.90 87.70 102.60	1963 1964 1965 1966 1967 1968	50.40 47.80 44.70 47.90 61.70	43.80 62.70 64.40 62.80 73.20	49.50 48.40 46.70 49.90 64.20
No. 2 saw log	<u>:</u>			Ungraded: 1/			
1963 1964 1965 1966 1967 1968	51.50 54.10 57.50 60.10 61.00 75.60	64.30 71.70 77.20 82.60 85.60 102.70	51.80 54.60 59.00 62.50 66.50 80.80	1963 1964 1965 1966 1967 1968	47.40 46.00 48.50 54.40 43.80 55.40	55.70 44.80 61.00 61.20 59.60 89.00	47.50 46.00 48.50 54.50 52.50 56.50
No. 3 saw log	:			Average:			
1963 1964 1965 1966 1967 1968	41.70 45.30 45.70 43.60 46.30 54.90	57.30 51.00 54.60 61.90 65.30 70.80	42.30 45.60 46.20 44.90 51.40 57.70	1963 1964 1965 1966 1967 1968	51.80 54.10 56.20 56.40 57.60 71.20	64.10 60.10 73.50 79.00 77.60 94.10	52.10 54.30 57.30 58.40 62.50 75.40

^{1/} Excludes cull logs and utility logs.

Source: Pacific Northwest Forest and Range Experiment Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the point of sale in each transaction. Data for 1963 include third and fourth quarters only.

Table 8.--Western white pine log prices, western Washington and northwest Oregon, 1963-68

(Dollars per thousand board feet, Scribner log 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	
Peeler log:				No. 3 saw log	<u>:</u>			
1963 1964 1965 1966 1967 1968	79.00 73.60 89.40 77.80 84.40 108.10	60.30 59.40 87.30 93.30 96.10	79.00 69.50 83.80 86.40 90.80 97.60	1963 1964 1965 1966 1967 1968	43.50 43.00 46.60 45.40 45.40 52.20	36.00 43.50 41.60 39.40 39.50 46.80	43.20 43.20 45.50 41.60 43.00 48.40	
SFP or SM: 1/				Mixed grade:				
1963 1964 1965 1966 1967 1968	80.80 58.40 76.90 70.30 72.10 88.20	77.80 97.10 103.30 112.20	80.80 58.40 76.90 93.40 91.60 108.20	1963 1964 1965 1966 1967 1968	62.80 52.00 50.10 41.40 46.40	63.90 56.60 64.90 73.90 82.90	63.20 52.40 59.30 55.60 55.40	
No. 1 saw log	<u>:</u>			<u>Ungraded:^{2/}</u>				
1963 1964 1965 1966 1967 1968	57.00 65.80 83.30 65.00 77.60 90.70	56.60 54.60 66.90 80.20 83.40 77.80	56.80 60.20 80.80 78.20 82.30 78.80	1963 1964 1965 1966 1967 1968	42.30 42.50 36.60 36.50 46.70 58.80	54.80 44.90 74.00	44.90 42.50 36.60 36.50 45.20 65.00	
No. 2 saw log	<u>:</u>			Average:				
1963 1964 1965 1966 1967 1968	49.50 55.00 62.90 56.00 57.40 68.50	51.90 45.70 54.80 59.00 72.90 66.20	49.90 52.60 61.60 58.10 66.90 67.00	1963 1964 1965 1966 1967 1968	48.60 49.10 54.40 42.90 52.90 53.90	53.50 45.20 54.60 65.70 71.00 65.50	49.40 47.50 54.50 54.20 63.60 59.50	

 $^{1\!\!\!/}$ "Suitable for peeling" or special mill grade.

 $[\]frac{2}{}$ Excludes cull logs and utility logs.