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SB 36 (1931)

SUMMARY AND BUDGET PRICES FOR THE CALENDAR YEAR 1929

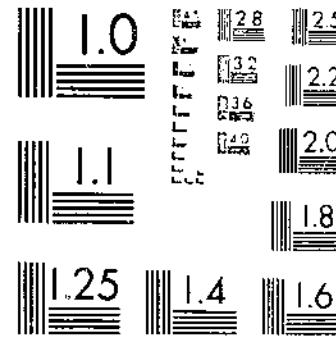
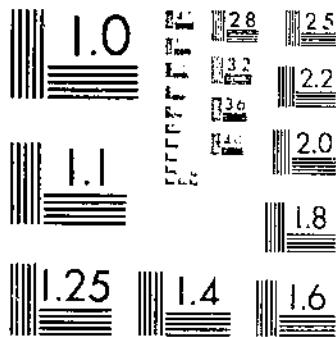
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UNITED STATES DEPARTMENT OF AGRICULTURE  
STATISTICAL BULLETIN NO. 36

Washington, D. C.



November, 1931

STUMPPAGE AND LOG PRICES  
FOR THE CALENDAR YEAR 1929

Compiled by

HENRY B. STEER

Senior Forest Economist, Division of Forest Economics  
Branch of Research, Forest Service



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INTRODUCTION

The determination of the value of standing timber, as indicated by actual sales of stumppage and logs, has a direct bearing on the business of tree growing as a commercial enterprise, for in the final analysis no business can be successful unless the returns justify the expenses of production. For several years the Division of Forest Economics, with the cooperation of the Bureau of the Census of the Department of Commerce, has been collecting stumppage and log prices for use in studying the trends of values in the several timber-producing regions. When these data have been compiled for several years and correlated with pertinent economic conditions, it is probable that trends of prices may be established and financial returns to timber growers deduced.

The tables presented in this bulletin are compilations of data on private stumppage and log transactions for the calendar year 1929, as compiled from a large number of representative reports. They are unavoidably fragmentary for some States and species but are based

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on 4,344 sales of stumpage, involving nearly 16,000,000,000 feet of timber in 38 States, and 5,055 sales of logs involving more than 8,500,000,000 feet of timber in 35 States.<sup>1</sup>

Stumpage and log prices, as used in this bulletin, represent the monetary consideration for which the ownership of standing timber in the woods, or logs f. o. b. the manufacturing plant, changed hands. The figures used are averages of actual prices, as established by bona fide transactions. All prices per thousand feet are weighted, that is, their relative importance in species, State, or regional averages is determined by the quantity.

So many different factors are involved in the determination of stumpage and log prices that the values given are indicative only and can not be applied to any specific tract. The range between the minimum and maximum prices for each species shows in itself that many factors enter into stumpage and log transactions. The selling price of standing timber follows in a general way the same trends as the prices of lumber and other wood products. For individual transactions, however, the price paid for standing timber depends, among other things, on the species, quality, size, and density of the timber; the quantity sold and whether for immediate or future cutting; the quantity of other timber available, and the competitive demand for the timber; the kind of product to be manufactured from it; the location with respect to manufacturing plants, transportation facilities, and markets; the cost of exploitation as determined by local conditions with respect to topography and surface, labor, cost of equipment and supplies, etc.; the form of sale (lump sum, flat rate per thousand feet, specific rate for different kinds of timber, etc.); the terms of sale, including provisions as to time and rate of payment, method of cutting, requirements as to fire protection, brush disposal, utilization, etc., and provisions regarding taxes; and finally the desire of the purchaser to buy and the seller to sell, and the knowledge of values on the part of each.

The selling price of logs is subject to more frequent and quicker fluctuations and follows lumber prices more closely than does the price of standing timber. Yet with logs, also, the price received depends to a large degree upon the conditions involved in the particular transaction. Of the factors influencing the selling price of standing timber and logs, competition between purchasers and the knowledge of values on the part of both purchaser and seller exert a very great influence. Sharp increases in the prices of both stumpage and logs frequently occur in localities where the supplies have become limited.

Sales of both stumpage and logs have been classified into two main groups, as follows: (1) Individual sales, which include sales of only one species or of several species where each was sold at an individual price instead of being grouped with other species for a lump sum or at a uniform rate per thousand feet; (2) flat-rate sales, in which two or more species were grouped together and sold for a lump sum or at a uniform rate, or where one species was sold under a group name,

<sup>1</sup> No sales of logs were reported from Idaho, Kansas, Montana, and Rhode Island; no sales of stumpage were reported from Delaware; and no sales of either stumpage or logs were reported from Arizona, Colorado, Nebraska, Nevada, New Mexico, North Dakota, South Dakota, Utah, and Wyoming. The great bulk of timber in the Rocky Mountain and southwestern regions is on Government-owned lands, principally national forests, and the other States from which no data were received are in the Great Plains region, which has practically no timber.

such as pine, and could not be more accurately identified. In compiling flat-rate sales no accounting has been made of the different species involved, since the price paid for each could not be definitely or satisfactorily determined. Flat-rate and individual sales have been combined, however, into State and regional averages for softwoods, hardwoods, and all species, for these total averages indicate the average selling price of all species of standing timber and logs in the several States and regions.

Forty-seven per cent by volume of the stumpage transactions and 5 per cent by volume of the log transactions were flat-rate sales. (Table 1.) In the case of both hardwoods and softwoods, much higher prices were paid for all kinds of timber and logs when sold individually. The difference between the 47 per cent of flat-rate stumpage sales and the 5 per cent of flat-rate log scales is accounted for by the fact that logs are the first step in the conversion of standing timber into salable forest products. Although there are no definite and well-established log markets of any great consequence except in the Douglas fir region of Washington and Oregon, the conditions under which logs are sold are fairly uniform, the price level of logs varying with the kind and quality of logs sold along with several other factors such as the competitive field existing, distance to manufacturing plants, etc. On the other hand, there is no fairly well established stumpage market and sales of stumpage for a lump sum are much more common than similar sales of logs. It is probably true that more of the higher grade stumpage and logs were sold individually (by species) and that the poorer were more likely to be grouped together and sold collectively; yet there is a fundamental principle of merchandising involved in the sale of standing timber and logs which also applies to the sale of any other raw material or commodity. When all other factors have been given due consideration, the vendor of standing timber or logs will be more apt to receive the true value of his merchandise if he takes a careful inventory of the different kinds of material which he has for sale and markets them as individual parts of a transaction rather than in one lot. Flat-rate sales of stumpage or logs by the Government or by large timber-holding corporations are practically, if not entirely, unknown, and it is becoming more and more common even for farmers to cut their own timber and dispose of the logs to a manufacturing concern at individual prices for the different kinds.

According to Table 1, 87 per cent of the standing timber reported sold in 1929 was softwoods; less than 4 per cent was hardwoods, and the remainder was mixed hardwoods and softwoods sold in flat-rate sales. Approximately one-third of the softwoods was Douglas fir, the same proportion was western yellow pine, and the remainder was distributed among the various other species, with the southern pines and western hemlock each comprising a relatively large proportion. While these data can not be considered as giving the total stumpage sales in 1929, they undoubtedly give a representative cross section of the timber sold in that year and it is reasonable to assume that the greater part of the volume sold would be virgin timber. Similarly, 90 per cent of the log sales reported involved softwoods, about 9 per cent involved hardwoods, and the remainder were flat-rate sales of hardwoods and softwoods combined.

Table 2 gives the stumpage and logs sold by States, with the percentage of the total for each State. Seventy-three per cent of the

stumpage transactions and 83 per cent of the log transactions were in the States of Washington and Oregon. The increase in the number of reports received from these States in 1929 over 1928 was greater than the increase for the rest of the country. It is common knowledge that constant economic pressure is being brought to bear in the Pacific Northwest to liquidate the frozen assets in standing timber either by logging operations or by the sale of stumpage. This condition is reflected in both the number of reports received and the volume of transactions reported.

Tables 3 to 11, inclusive, give by States the average stumpage and log sales prices of individual species of all softwoods and hardwoods; flat-rate sales of softwoods, hardwoods, and mixed woods; and State averages. The 1929 reports seem to indicate that, other things being equal, the prices of standing timber and logs increase with proximity to the centers of largest consumption of wood products. While western yellow pine stumpage, largely from virgin stands, was bringing an average of \$4.71 per thousand feet in the far West, northern white pine stumpage, largely from second-growth stands, was bringing an average of \$8.06 per thousand feet in the Lake States and Northeast. A few sales of redwood showed an average price of \$3.25 and of cypress \$9.41 per thousand feet. Many more examples, all tending to show that timber growing as a commercial enterprise should be more attractive in the regions of large consumption of lumber and other wood products near the big centers of population, which now import from great distances nearly all of the wood products consumed, could be taken from the accompanying tables. In these densely populated regions there are millions of acres of idle land admirably suited to the growth of timber. It is certain that these regions can again grow at least a considerable part of the timber necessary to supply their own needs, and the 1929 prices of stumpage and logs are suggestive of the possibilities of profitable forestry. It does not follow, however, that the application of the principles of forestry in the Northwest and South, which are far from the centers of population, would not be attractive from a financial standpoint; on the contrary, the opposite is more apt to be true, owing to the diminishing supply of standing timber in the United States as a whole and to the rapid rate of tree growth in these regions. The fact remains, however, that the cost of transportation and distribution is one of the chief items entering into the total cost of wood products to the consumer. Other things being equal, the closer to the point of consumption timber is produced, the more profitable such production is bound to be.

The average prices paid for second-growth timber are higher than the general average prices of all types of sales, except the flat-rate mixed. (Table 10.) This is because second-growth timber is more accessible than the remaining virgin stands.

In Tables 3 to 11 inclusive, sales of individual species in the several States have been shown separately in each type of sale and averaged for each type; the price range (from minimum to maximum) has also been given. Because in the future, in computing costs and returns, the prices of second-growth timber will probably be used, the average selling price per thousand feet for second-growth timber has also been given. Similarly, because the greatest part of all the logs produced are manufactured primarily into lumber, the average selling price of lumber logs has been given for individual species and for each type of sale, as well as the average price and the price range for all log sales.

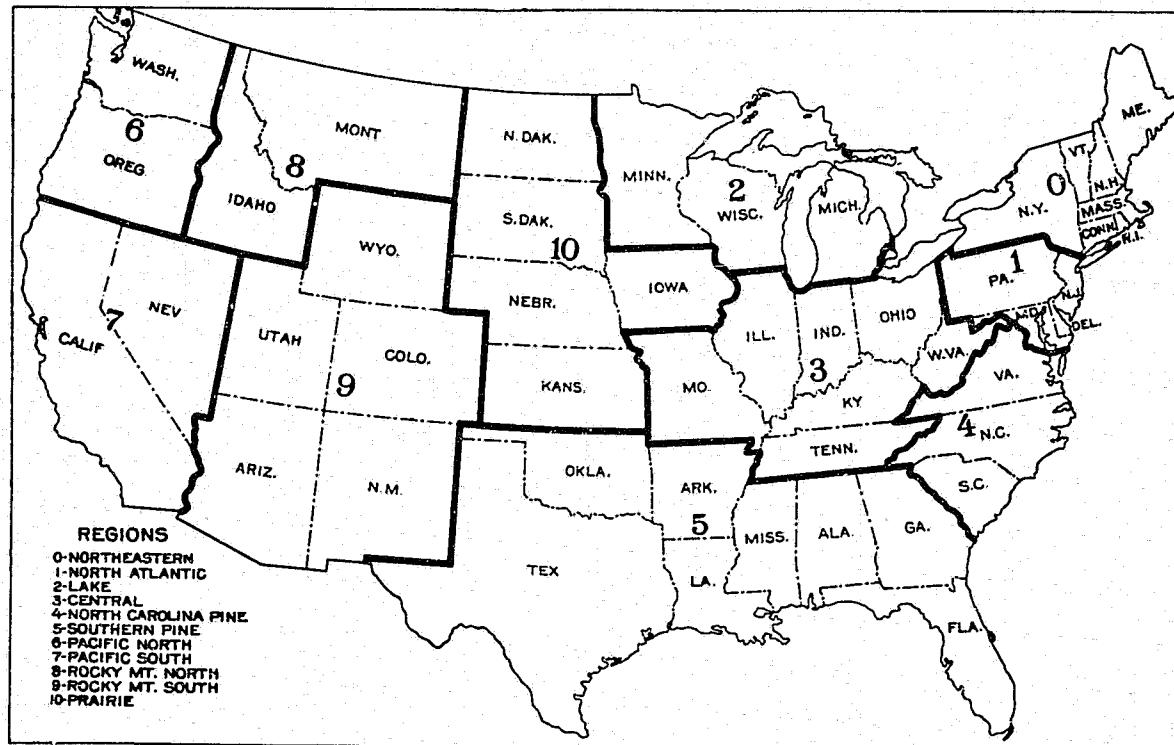


FIGURE 1.—United States stumpage and log regions

A regional recapitulation of the stumpage and log price data given in Tables 3 to 11, inclusive, is set forth by species, type of sale, and regions in Table 12, which gives in some instances a clearer picture of conditions than it is possible to obtain through consideration and analysis of the data for any one State, because the returns are unavoidably fragmentary for some States, and regional averages of all species, being based on a greater number of transactions, are more representative.

As stated already, a great many conditions enter into the prices realized for standing timber and logs. An analysis of the 1929 data shows that the extremely low and high prices, as indicated by the price range, were effective in a relatively small proportion of the reported transactions and contributed a small part of the total volumes involved. In many cases the largest number of transactions, involving the greatest volume of timber, fell within the price-range class of the general average. Frequency of price-range classes have been tabulated by species and types of sale in Table 13. Fifty-one per cent by volume of the stumpage was sold at prices between \$2 and \$5 per thousand feet.

It has often been stated that present-day logging operations in the East and certain portions of the South and Lake States are mainly in second-growth timber. Table 14 gives an analysis of the different species and types of sale by virgin, second-growth, and mixed or culled virgin stands. There are probably some inaccuracies in the reports on which this table is based, as indicated by table footnotes. However, even when proper allowance is made for these, the relative quantity of second-growth timber sold in 1929 is surprisingly small.

A complete return of the sales of logs in the United States in any one year is practically impossible to obtain, owing to the varied conditions under which logs are sold. The west coast of Washington and Oregon has well-defined and established log markets; a few small and very much localized markets, which, however, handle only an insignificant part of the logs sold, are in other parts of the country; and log markets elsewhere are unorganized and scattered. In spite of the incompleteness of the returns, however, it is reasonable to assume that reported log transactions form an adequate basis for general conclusions. Reports indicate that more than 90 per cent of the logs purchased or sold in 1929 were intended primarily for the production of lumber. This should have some significance in determining the objects of management of forest lands.

As would naturally be assumed, an analysis of the 1929 reports shows clearly that the higher prices were paid not only for the more accessible stumpage and logs but also for stumpage and logs of high quality. Stumpage or logs suitable for manufacture into veneers or other high-class products have commanded top prices and probably will continue to do so even in periods of extreme depression. The tendency of the majority of timberland owners is to sell an entire body of standing timber as soon as a market develops. This practice results frequently in a monetary loss when the return that might have been realized from the same timber a few years later under a different management method is considered. Thinnings or improvement cuttings can often be made at a profit, and the more valuable

and rapidly growing trees which are left should increase in value as well as in volume and quality, under the improved silvicultural conditions. The timberland owner has a choice of methods—either treating a body of timber as a mine to be completely exhausted for the maximum returns from what (as far as he is concerned) is one final cutting; or, after a thorough investigation of markets, values, and practical silvicultural measures, handling his timber as a renewable crop, making the land continuously produce the maximum yield of timber products of highest quality which will insure the largest return and, in the case of large holdings, permanence of operation.

The general average for privately owned standing timber sold in 1928, computed from data obtained and analyzed in exactly the same manner as the 1929 tabulations presented herewith, was \$3.69 per thousand feet. The corresponding average of all sales for 1929 is \$3.64. The average selling price of all logs per thousand feet in 1928 was \$20.57, and in 1929, \$17.08. The apparent reduction of 5 cents per thousand feet in stumpage prices and \$3.49 in log prices can not be accepted as indicative of a downward trend in prices, since many factors enter into these general averages which are not disclosed by the bare figures themselves, possibly including, as has often been assumed, a general trend toward the manufacture of inferior species and lower grades. A comparison between the 1928 and 1929 general average prices should be based on as nearly identical transactions as possible. In 1929 a considerably greater proportion of the total stumpage transactions reported were from the Pacific Northwest than in 1928. The inclusion of a greater proportion of these low prices in the general average without explanation does not give a true picture of actual conditions. In 1928 the general average log price did not include any log sales in the States of Washington and Oregon, where log prices are generally lower than in the rest of the country. If the 1929 average stumpage and log prices are weighted by the percentages which the different species formed of the total sales reported in 1928, the main cause of dissimilarity between the average prices for the two years will be removed. This method would not be as accurate in the case of two widely separated years, but it is not illogical to assume that the other most important factors which determine stumpage and log prices will not greatly vary in two consecutive years if the averages are based on the same proportionate amounts of the different species.

Computing the general 1929 average stumpage and log prices on the basis just described, the average stumpage price was \$3.98 and the average log price was \$21.32 per thousand feet in 1929, or an increase from 1928 of 29 cents per thousand in stumpage prices and 75 cents in log prices. These increases are very significant in view of the general depression (which was beginning to be felt by the lumber industry late in 1929), with its pronounced effect on the prices paid for most raw materials. If this computation is sound, it would indicate, at least for these two years, that the trend of stumpage and log prices was up. In this connection brief but representative comparisons between 1928 and 1929 lumber prices are pertinent. If 1926 prices are given a weight of 100 per cent, the wholesale price

of all building materials, as compiled by the Bureau of Labor Statistics of the Department of Labor was 93.7 in 1928, and 97.1 in 1929, an increase of 3.4 per cent in one year. The average wholesale price of 12 representative lumber items in 1928, as compiled by the same bureau, was \$40.05. In 1929 the same items averaged \$40.80, an increase of 75 cents per thousand feet in 1929 over 1928.<sup>2</sup>

Prices paid by contractors for building materials delivered on the job, for six representative lumber items<sup>3</sup> in eight representative cities<sup>4</sup> as compiled by the Division of Building and Housing of the Bureau of Standards of the Department of Commerce, from information obtained through the Bureau of the Census, show very little difference in individual items for the years 1928 and 1929. There is some fluctuation in prices between cities, but the general average for 1929 was 49 cents per thousand higher than it was for 1928.

The selling price of lumber of all widths, as compiled by the regional office of the United States Forest Service, Missoula, Mont., from data furnished by the lumbermens' information bureau of the Western Pine Manufacturers Association shows the following increases in 1929 over 1928: Idaho white pine, \$3.24; western yellow pine, \$1.66; Douglas fir and larch, \$1.74; Engelmann spruce, \$1.03; white fir, \$2.68; and cedar, \$8.12.

The net lumber returns per thousand feet to lumber manufacturing members of the West Coast Lumbermens' Association, according to data furnished by its members, increased \$1.35 in 1929 over 1928. It would, therefore, appear that there was a slight increase in stumpage prices, log prices, and wholesale and retail lumber prices in 1929 as compared to 1928. This comparison is not in itself proof that the long-time trend of stumpage prices, log prices, or lumber prices is up. It is advanced solely as an interesting comparison for the two years. It is planned to carry this type of analysis further.

<sup>2</sup> Items included: Cypress, shop, at St. Louis; Douglas fir, common sheathing and drop siding at mills; plain red gum, at St. Louis; northern hemlock No. 1, at Chicago; hard maple No. 1 at Chicago; white oak, plain No. 1 common, at Cincinnati; white pine No. 2, at Buffalo; yellow pine flooring, at mills; yellow pine timbers at mills; yellow poplar No. 1, at Cincinnati; and eastern spruce, at Boston.

<sup>3</sup> Yellow pine, No. 1, 2 by 4 by 16 SISIE; Douglas fir, No. 1, 2 by 4 by 16 SISIE; North Carolina pine, No. 1, 2 by 4 by 16 SISIE; common boards, 1 by 6; yellow pine flooring, edge grain, "C," 1 by 4 by 16 to 16 feet; Douglas fir flooring, V. G. No. 2, 1 by 4 by 16 to 16 feet.

<sup>4</sup> Springfield, Yonkers, Philadelphia, Baltimore, Milwaukee, St. Louis, Los Angeles, and Shreveport.

STUMPPAGE AND LOG PRICES FOR THE CALANDER YEAR 1929 9

TABLE 1.—*Total stumpage and log sales reported; by species and type of sale*  
STUMPPAGE SALES

Species and type of sale	Transactions	Quantity	Value	Average price per M	Distribution by volume
Individual softwoods:					
Western yellow pine.....	Number 106	Mf ft. b. m. 2,821,041	Dollars 13,274,883	Dollars 4.71	Per cent 35.02
Western white pine.....	21	50,849	316,341	6.22	.03
Lodgepole pine.....	2	300	400	1.33	
Sugar pine.....	23	53,080	220,541	4.22	.07
Norway pine.....	10	7,390	51,810	7.01	.09
Jack pine.....	5	1,031	4,182	2.55	.02
Northern white pine.....	189	61,183	493,009	8.06	.76
Pitch pine.....	1	12	60	5.00	
Longleaf pine.....	77	74,069	524,582	7.03	.03
Shortleaf pine.....	534	902,510	3,837,850	4.25	11.20
Western larch.....	43	25,582	31,168	1.22	.32
Tamarack.....	14	2,765	6,622	2.39	.03
Engelmann spruce.....	8	2,255	2,213	.98	.01
Sitka spruce.....	32	139,001	604,811	3.43	1.73
Eastern spruce.....	73	40,288	207,686	5.16	.50
Eastern hemlock.....	107	35,990	122,486	3.40	.45
Western hemlock.....	66	644,520	781,095	1.21	8.00
Douglas fir.....	288	2,688,166	7,998,115	2.98	33.37
White fir.....	46	168,363	168,316	1.06	1.97
Balsam fir.....	26	1,069	7,777	7.28	.01
Cypress.....	33	59,213	557,240	9.41	.74
Rodwood.....	3	7,006	22,747	3.25	.09
Incense cedar.....	20	18,354	16,383	.84	.23
Western red cedar.....	65	248,697	966,151	3.87	3.10
Northern white cedar.....	52	8,381	60,871	7.26	.10
Port Orford cedar.....	1	353	1,765	5.00	
Eastern red cedar.....	6	1,166	13,500	11.69	.01
Total, or average.....	1,049	8,035,374	30,287,393	3.78	100.00
Individual hardwoods:					
Oak <sup>1</sup> .....	168	42,870	289,104	6.74	13.31
Willow.....	2	1,166	5,830	5.00	.30
Red oak.....	160	20,526	153,613	7.48	6.37
White oak.....	174	26,713	260,353	9.75	8.29
Soft maple.....	12	550	7,219	13.13	.17
Hard maple.....	21	2,462	46,120	18.74	.76
Maple <sup>1</sup> .....	127	72,282	733,897	10.15	22.44
Elm <sup>1</sup> .....	110	8,300	105,610	12.72	2.58
Ash.....	89	4,092	60,798	17.06	1.27
Black walnut.....	35	1,408	145,825	103.57	.44
Burternut.....	2	24	306	12.75	.01
Red Gum.....	89	50,780	210,161	4.14	15.70
Tupelo gum.....	18	25,919	83,761	3.23	8.04
Black gum.....	2	66	300	4.55	.02
Sycamore.....	22	660	4,582	6.94	.20
Aspen.....	8	6,154	8,303	1.35	1.91
Cottonwood.....	31	6,761	35,558	5.20	2.10
Yellow poplar.....	84	6,115	74,013	12.14	1.91
Yellow birch.....	1	1	8	8.00	
Birch <sup>1</sup> .....	51	21,220	173,772	8.19	6.59
Alder.....	4	290	610	2.12	.09
Pecan.....	1	100	100	1.00	.03
Hickory <sup>1</sup> .....	55	2,744	10,243	7.01	.85
Cherry.....	16	420	3,194	7.60	.13
Basswood.....	60	5,020	48,888	9.73	1.56
Chestnut.....	41	3,571	15,034	4.38	1.11
Beech.....	92	11,771	70,624	6.50	3.65
Huckleberry.....	1	1	30	10.00	
Magnolia.....	3	148	671	4.63	.05
Total, or average.....	1,470	322,182	2,573,302	7.99	100.00
Percentage individual softwoods.....					51.30
Percentage individual hardwoods.....					2.05
Flat-rate softwoods.....	338	5,038,118	13,440,884	2.39	35.90
Flat-rate hardwoods.....	203	208,542	1,250,300	6.00	1.33
Flat-rate mixed.....	286	1,470,348	9,673,567	6.47	9.42
Total, or average.....	4,344	15,703,564	57,134,452	3.64	100.00

<sup>1</sup> Species not reported.

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TABLE 1.—*Total stumpage and log sales reported; by species and type of sale—Con.*  
LOG SALES

Species and type of sale	Transactions	Quantity	Value	Average price per M	Distribution by volume
Individual softwoods:	Number	M ft. b. m.	Dollars	Dollars	Per cent
Western yellow pine.....	100	220,023	3,137,591	14.26	2.94
Western white pine.....	32	12,260	216,732	17.68	.16
Sugar pine.....	4	898	16,044	17.87	.01
Norway pine.....	10	1,407	34,650	24.63	.02
Jack pine.....	5	292	5,541	18.08	.01
Northern white pine.....	269	30,598	635,663	21.43	.41
Longleaf pine.....	40	17,123	203,056	17.11	.23
Shortleaf pine.....	200	241,055	3,495,305	15.15	3.00
Western larch.....	7	4,057	36,118	8.90	.05
Tamarack.....	18	1,052	23,304	22.21	.01
Engelmann spruce.....	2	404	4,244	10.50	.01
Slender spruce.....	97	352,152	5,694,347	16.17	4.71
Eastern spruce.....	94	14,810	289,768	19.53	.20
Eastern hemlock.....	223	95,130	1,717,024	18.05	1.27
Western hemlock.....	168	1,238,279	12,967,801	10.47	16.58
Douglas fir.....	364	4,481,878	72,811,525	16.25	60.00
White fir.....	22	15,424	172,410	11.18	.21
Balsam fir.....	27	3,491	53,630	15.33	.05
Cypress.....	94	27,347	556,943	20.37	.37
Redwood.....	2	1,066	15,892	14.50	.01
Incense cedar.....	2	247	2,700	11.30	.01
Western red cedar.....	228	636,233	12,299,975	19.32	8.52
Northern white cedar.....	26	3,074	48,423	15.76	.04
Port Orford cedar.....	9	77,201	2,825,428	30.60	1.03
Eastern red cedar.....	18	4,551	210,067	43.30	.06
Total or average.....	2,050	7,470,412	117,577,359	15.74	100.00
Individual hardwoods:					
Oak <sup>1</sup> .....	138	24,264	561,061	23.16	3.62
Willow.....	10	1,708	31,502	18.44	.25
Red oak.....	162	28,648	669,978	25.02	3.86
White oak.....	160	29,618	927,709	31.32	4.42
Soft maple.....	33	888	22,114	23.39	.12
Hard maple.....	31	7,972	247,498	31.05	1.10
Maple <sup>1</sup> .....	332	130,000	3,380,967	26.01	19.39
Elm <sup>1</sup> .....	263	31,807	869,334	27.33	4.74
Rock elm.....	29	438	11,235	25.65	.07
Ash.....	239	16,321	532,403	32.62	2.43
Black walnut.....	73	33,417	4,460,226	133.47	4.98
Butternut.....	12	58	1,569	28.78	.01
Red gum.....	226	122,702	2,723,779	22.24	18.30
Tupelo gum.....	59	31,660	550,754	17.40	4.72
Black gum.....	22	2,615	43,266	16.55	.39
Sycamore.....	68	4,340	88,080	20.29	.65
Locust.....	2	2	39	19.60	
Aspen.....	17	1,428	22,031	15.43	.21
Cottonwood.....	65	8,589	141,701	16.50	1.28
Yellow poplar.....	137	53,897	1,890,288	35.09	8.04
Yellow Birch.....	3	160	3,160	19.75	.03
Birch <sup>1</sup> .....	214	61,812	2,075,373	33.53	9.22
Alder.....	8	3,669	72,481	19.75	.55
Pecan.....	5	993	12,952	13.04	.15
Hickory <sup>1</sup> .....	72	34,502	1,214,083	35.21	5.15
Cherry.....	28	820	25,731	31.38	.12
Basswood.....	212	17,147	559,342	32.62	2.56
Chestnut.....	29	1,965	54,551	27.76	.29
Beech.....	90	17,420	403,020	23.13	.60
Huckleberry.....	24	1,064	18,174	17.08	.15
Magnolia.....	12	3,230	68,874	21.26	.48
Persimmon.....	5	35	1,825	52.14	.01
Buckeye.....	1	74	1,554	21.00	.01
Total or average.....	2,700	670,401	21,693,392	32.36	100.00
Percentage Individual softwoods.....					86.06
Percentage Individual hardwoods.....					7.80
Flat-rate softwoods.....	37	227,722	2,962,992	13.01	2.66
Flat-rate hardwoods.....	79	99,957	1,801,456	18.92	1.16
Flat-rate mixed.....	70	122,163	2,453,032	20.34	1.42
Total or average.....	5,055	8,590,493	146,609,131	17.08	100.00

<sup>1</sup> Species not reported.

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 11

TABLE 2.—*Total stumpage and log sales reported, by States*

State	Stumpage		Logs	
	M feet b. m.	Per cent	M feet b. m.	Per cent
Alabama	215,080	1.37	77,617	0.90
Arkansas	303,447	1.93	135,666	1.58
California	627,512	4.00	99,054	1.15
Connecticut	4,234	.03	328	
Delaware			70	
Florida	130,874	.89	34,553	.40
Georgia	170,460	1.09	60,944	.81
Idaho	135,631	.86		
Illinois	1,743	.01	10,245	.12
Indiana	35,018	.22	19,661	.23
Iowa	80		456	.01
Kansas	218			
Kentucky	6,249	.04	15,943	.10
Louisiana	437,142	2.78	61,276	.71
Maine	59,439	.44	14,601	.17
Maryland	17,009	.11	700	.01
Massachusetts	15,216	.10	8,038	.10
Michigan	138,704	.88	187,854	2.19
Minnesota	19,793	.13	11,722	.14
Mississippi	215,591	1.37	136,167	1.60
Missouri	11,315	.07	35,516	.41
Montana	89,200	.57		
New Hampshire	47,007	.31	9,685	.12
New Jersey	655		250	
New York	79,724	.51	24,830	.20
North Carolina	202,039	1.29	87,974	1.02
Ohio	20,520	.17	12,060	.15
Oklahoma	69,321	.44	112	
Oregon	7,978,112	50.80	2,007,350	23.37
Pennsylvania	45,738	.29	4,714	.05
Rhode Island	225			
South Carolina	206,898	1.32	67,977	.70
Tennessee	121,044	.77	83,828	.98
Texas	293,807	1.87	44,811	.52
Vermont	12,201	.08	22,442	.30
Virginia	98,682	.63	21,048	.26
Washington	3,461,255	22.04	5,143,711	59.88
West Virginia	332,591	2.12	12,976	.15
Wisconsin	73,561	.47	121,402	1.41
Total	15,703,564	100.00	8,590,665	100.00

TABLE 3.—*Prices of softwood stumpage and logs, individual sales, by species and States*

WESTERN YELLOW PINE

State	Stumpage				Logs	
	Price per thousand		Price per thousand		Price range, all sales	Price range, all sales
	All sales	Second growth	All sales	Lumber logs		
California	\$2.58	\$1.00	\$1.00-\$8.00	\$14.87	\$14.82	\$8.70-\$30.00
Idaho	2.27	2.31	1.00- 3.10			
Montana	3.19		1.95- 4.55			
Oregon	5.11	2.08	1.00- 7.00	15.15	14.95	3.64- 16.60
Washington	2.43	3.41	.60- 5.40	12.40	12.43	6.00- 15.15
Average	4.71	2.41		14.28	14.04	
Spread			.60- 7.00			3.84- 30.00

WESTERN WHITE PINE

Idaho	\$6.40	\$6.50	\$2.00-\$8.00		
Montana	5.00				
Washington	3.11	1.50	1.00- 4.25	\$17.68	\$17.71
Average	6.22	6.30		17.68	17.71
Spread			1.00- 8.00		10.00- 35.00

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TABLE 3.—*Prices of softwood stumpage and logs, individual sales, by species and States—Continued*

## LODGEPOLE PINE

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Montana.....	\$1.50	.....	.....	.....	.....	.....
Oregon.....	1.00	.....	.....	.....	.....	.....
Average.....	1.33	.....	\$1.00-\$1.50	.....	.....	.....
Spread.....	.....	.....	.....	.....	.....	.....

## SUGAR PINE

California.....	\$4.31	.....	\$2.00-\$5.00	\$40.00	\$40.00	.....
Oregon.....	3.33	.....	2.50-3.50	15.94	15.94	\$12.00-\$16.00
Average.....	4.22	.....	.....	17.87	17.87	.....
Spread.....	.....	.....	2.00-5.00	.....	.....	12.00-40.00

## NORWAY PINE

Maine.....	\$7.49	\$7.49	\$4.00-\$7.50	.....	.....	.....
Michigan.....	8.23	8.08	6.00-10.00	\$23.85	\$23.85	\$18.41-\$26.00
Minnesota.....	5.99	5.00	5.00-8.00	24.84	24.84	20.00-26.00
New Hampshire.....	5.50	5.50	5.00-7.00	15.00	15.00	.....
Wisconsin.....	.....	.....	.....	21.35	21.35	20.00-27.98
Average.....	7.01	7.41	4.00-10.00	24.03	24.67	.....
Spread.....	.....	.....	.....	.....	.....	15.00-27.98

## JACK PINE

Michigan.....	\$4.00	\$4.00	.....	.....	.....	.....
Minnesota.....	2.23	5.00	\$2.00-\$5.00	\$18.47	\$18.47	\$11.00-\$23.00
Wisconsin.....	.....	.....	.....	22.00	22.00	.....
Average.....	2.55	4.35	2.00-5.00	18.98	18.98	.....
Spread.....	.....	.....	.....	.....	.....	11.00-23.00

## NORTHERN WHITE PINE

Connecticut.....	\$4.82	\$4.82	\$4.00-\$7.00	\$28.00	\$20.00	.....
Maine.....	8.53	8.52	3.50-17.00	17.54	17.59	\$14.00-\$29.00
Massachusetts.....	7.84	7.84	3.00-17.00	16.65	17.21	5.00-20.25
Michigan.....	11.83	15.76	5.00-17.00	28.52	28.44	5.00-40.15
Minnesota.....	6.29	8.00	2.00-8.00	27.27	27.27	17.00-28.00
New Hampshire.....	7.20	7.29	2.75-10.00	16.15	14.80	11.00-24.00
New York.....	12.30	12.30	3.50-16.00	21.98	21.12	15.00-45.00
North Carolina.....	4.23	4.00	4.00-5.00	.....	.....	.....
Pennsylvania.....	12.21	9.80	6.00-20.00	25.00	25.00	20.00-35.00
Rhode Island.....	4.00	4.00	.....	.....	.....	.....
Tennessee.....	.....	.....	.....	25.00	25.00	.....
Vermont.....	6.29	6.29	5.00-7.00	20.02	20.02	18.00-25.00
West Virginia.....	.....	.....	.....	12.00	12.00	.....
Wisconsin.....	9.76	.....	2.05-16.00	27.94	27.93	14.00-45.00
Average.....	8.06	8.02	2.00-20.00	21.43	22.55	.....
Spread.....	.....	.....	.....	.....	.....	5.00-45.00

## PITCH PINE

New York.....	\$5.00	\$5.00	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....

**STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 13**

**TABLE 3.—Prices of softwood stumppage and logs, individual sales, by species and States—Continued**

**NORTHERN WHITE AND NORWAY PINE**

State	Stumppage			Logs	
	Price per thousand		Price range, all sales	Price per thousand	Price range, all sales
	All sales	Second growth		All sales	Lumber logs
Connecticut.....	\$4.82	\$4.82	\$4.00-87.00	\$20.00	\$20.00
Maine.....	8.32	8.32	3.50-17.00	17.54	17.59
Massachusetts.....	7.64	7.64	3.00-17.00	16.65	17.21
Michigan.....	11.60	14.83	5.00-17.00	28.43	28.34
Minnesota.....	6.20	6.20	2.00- 8.00	26.71	26.71
New Hampshire.....	7.20	7.29	2.76-10.00	16.15	14.60
New York.....	12.30	12.30	3.50-16.00	21.98	21.12
North Carolina.....	4.23	4.00	4.00- 5.00	23.00	23.00
Pennsylvania.....	12.21	9.30	6.00-20.00	25.00	26.00-35.00
Rhode Island.....	4.00	4.00			
Tennessee.....				25.00	25.00
Vermont.....	6.29	6.29	5.00- 7.00	20.02	20.02
West Virginia.....				12.00	12.00
Wisconsin.....	9.76		2.03-16.00	27.85	27.84
Average.....	7.65	7.00	2.00-20.00	21.57	22.67
Spread.....					5.00-45.00

**LONGLEAF PINE**

Alabama.....	\$6.56	\$4.78	\$3.00-\$8.67	\$16.00	\$16.00	
Florida.....	6.60	7.33	1.50-22.00	12.67	14.02	\$4.00-\$100.00
Georgia.....	5.61	5.12	3.00-10.00	16.40	17.79	9.20-20.37
Louisiana.....	9.75		5.80-16.50	10.07	10.07	9.22-13.00
Mississippi.....	11.08		11.96-12.00	21.28	21.28	12.00-25.00
North Carolina.....	4.24		3.83- 7.00	14.00	14.00	
South Carolina.....	6.32	5.00	5.00-15.00	16.00	16.00	
Average.....	7.03	5.27	1.50-22.00	17.11	18.78	4.00-100.00
Spread.....						

**SHORTLEAF PINE**

Alabama.....	\$2.66	\$3.39	\$1.30-\$12.00	\$13.55	\$13.54	\$6.00-\$17.99
Arkansas.....	4.15	3.80	1.25- 10.00	13.05	13.05	4.17- 18.00
Delaware.....				25.00	25.00	
Florida.....	3.88	4.00	3.00- 4.00	12.70	12.77	8.40-15.00
Georgia.....	3.63	3.84	1.25- 12.00	15.64	15.77	10.00-23.00
Kentucky.....	3.27		2.25- 3.05	17.22	17.22	6.00-26.49
Louisiana.....	6.11	3.60	2.33-10.00	14.36	14.36	10.00-17.34
Maryland.....	6.11	7.03	3.50-10.00			
Mississippi.....	3.04	3.62	1.10- 7.00	14.24	14.25	7.00-15.00
Missouri.....	4.05	2.03	1.00- 7.50	10.00	10.00	
North Carolina.....	5.44	5.82	2.00-12.00	16.91	16.94	9.00-21.00
Oklahoma.....	2.77	2.43	2.00- 4.39	4.82	4.82	
South Carolina.....	4.98	5.09	1.25-11.00	17.09	17.09	5.00-23.00
Tennessee.....	0.20	5.05	3.00- 7.93			
Texas.....	4.35	3.92	.83- 6.50	14.28	14.30	5.00-17.92
Virginia.....	5.54	5.25	2.00-10.00	17.78	18.00	6.00-25.00
Average.....	4.25	4.09	.83-12.00	15.13	15.15	
Spread.....						4.17-20.40

## 14 STATISTICAL BULLETIN 36, U. S. DEPT. OF AGRICULTURE

TABLE 3.—*Prices of softwood stumpage and logs, individual sales, by species and States—Continued*SOUTHERN PINE<sup>1</sup>

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama.....	\$3.03	\$2.74	\$1.30-\$12.00	\$13.60	\$13.59	\$6.00-\$17.99
Arkansas.....	4.12	3.74	1.00- 10.00	13.05	13.05	4.17- 18.00
Delaware.....				25.00	25.00	
Florida.....	6.68	6.93	1.50- 22.00	14.93	18.28	4.00-100.00
Georgia.....	3.52	3.59	1.25- 12.00	16.06	16.43	9.20- 23.00
Kentucky.....	3.27		2.25- 3.95	17.22	17.22	8.00- 26.49
Louisiana.....	6.18	6.68	1.80- 16.50	13.07	13.07	9.22- 17.34
Maryland.....	6.11	7.03	3.50- 10.00			
Mississippi.....	4.28	3.82	1.10- 12.00	15.55	15.57	7.00- 25.00
Missouri.....	4.05	2.95	1.00- 7.50	10.00	10.00	
North Carolina.....	5.25	5.51	.87- 7.00	16.91	16.94	9.00- 21.00
Oklahoma.....	2.77	2.43	2.00- 4.39	4.82	4.82	
South Carolina.....	5.02	5.09	1.25- 15.00	16.44	16.44	5.00- 23.00
Tennessee.....	6.20	6.03	3.00- 7.93			
Texas.....	4.90	4.26	.83- 6.95	13.42	13.35	5.00- 17.92
Virginia.....	5.54	5.25	2.00- 10.00	17.78	18.00	6.00- 25.00
Average.....	4.55	3.49		15.20	15.26	
Spread.....			.83- 22.00			4.00-100.00

## WESTERN LARCH

Idaho.....	\$1.65	\$1.96	\$0.50-\$2.00			
Montana.....	1.45		.46- 3.00			
Oregon.....				\$12.82	\$12.82	
Washington.....	.00		.25- 2.00	8.89	8.89	\$6.00-\$12.50
Average.....	1.22	1.96		8.90	8.90	
Spread.....			.25- 3.00			6.00- 12.82

## TAMARACK

Michigan.....	\$2.25	\$2.14	\$2.00-\$5.00	\$16.60	\$16.73	\$8.00-\$19.05
Minnesota.....	2.62		2.00- 8.00	28.17	19.08	11.00- 50.00
Wisconsin.....				15.12	15.12	15.00- 17.00
Average.....	2.39	2.14		22.21	17.41	
Spread.....			2.00- 8.00			8.00- 50.00

## ENGELMANN SPRUCE

California.....	\$2.00	\$2.14				
Idaho.....	.95	\$1.00	\$0.50-\$1.00			
Montana.....	1.60					
Washington.....	.55	.59	.50- 1.50	\$10.50	\$10.50	\$6.00-\$11.00
Average.....	.98	.75	.50- 2.00	10.50	10.60	8.00- 11.00
Spread.....						

## SITKA SPRUCE

Oregon.....	\$3.43	\$2.50	\$0.41-\$5.60	\$15.04	\$14.96	\$10.50-\$23.70
Washington.....	4.17		2.50- 5.98	16.66	16.65	10.00- 30.00
Average.....	3.63	2.50		16.17	16.16	
Spread.....			.41- 5.98			10.00- 30.00

<sup>1</sup> Includes longleaf pine, shortleaf pine, and southern yellow pine where species was not reported.

**STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 15**

**TABLE 3.—Prices of softwood stumppage and logs, individual sales, by species and States—Continued**

**EASTERN SPRUCE**

State	Stumppage			Logs		
	Price per thousand		Price range, all sales	Price per thousand	Price range, all sales	
	All sales	Second growth		All sales	Lumber logs	
Maine.....	\$8.87	\$8.78	\$1.33-\$12.00	\$19.96	\$21.20	\$12.00-\$25.00
Michigan.....	8.82	-----	4.60- 10.00	26.96	22.15	16.00- 31.00
Minnesota.....	2.52	-----	2.00- 4.00	21.68	17.48	15.00- 20.00
New Hampshire.....	5.84	5.84	5.00- 10.00	19.28	20.39	12.65- 35.00
New York.....	6.00	6.00	-----	28.27	28.27	15.00- 30.22
Pennsylvania.....	7.21	8.20	4.00- 10.00	16.90	16.34	12.00- 28.00
Vermont.....	-----	-----	-----	-----	-----	-----
Virginia.....	3.00	-----	-----	15.41	15.41	-----
West Virginia.....	-----	-----	-----	24.62	20.44	17.00- 27.20
Wisconsin.....	-----	-----	-----	-----	-----	-----
Average.....	7.39	8.65	1.33- 12.00	19.53	18.73	12.00- 35.00
Spread.....	-----	-----	-----	-----	-----	-----

**EASTERN HEMLOCK**

Connecticut.....	\$0.00	\$0.00	-----	-----	-----	-----
Maine.....	6.37	6.52	\$2.00-\$9.00	\$14.43	\$14.51	\$8.00-\$20.00
Massachusetts.....	3.93	3.93	3.00- 6.00	15.31	15.31	13.00- 18.00
Michigan.....	2.87	6.19	1.00- 8.50	18.01	18.27	11.00- 24.00
New Hampshire.....	3.67	3.67	3.00- 6.00	16.38	15.99	10.00- 35.00
New York.....	7.42	9.19	2.00-15.00	22.87	22.87	11.00- 28.54
North Carolina.....	-----	-----	-----	10.41	-----	-----
Ohio.....	5.00	5.00	-----	-----	-----	-----
Pennsylvania.....	6.12	6.99	2.00- 15.00	22.57	22.57	14.00- 30.00
Tennessee.....	-----	-----	-----	18.00	18.00	-----
Vermont.....	7.49	7.49	4.00- 10.00	18.85	18.87	12.00- 24.00
West Virginia.....	3.20	-----	2.00- 3.50	13.75	13.75	-----
Wisconsin.....	2.42	-----	.50- 4.00	17.61	17.07	11.00- 27.00
Average.....	3.40	6.36	.50-15.00	18.05	17.64	8.00- 35.00
Spread.....	-----	-----	-----	-----	-----	-----

**WESTERN HEMLOCK**

Idaho.....	\$1.00	\$1.00	-----	-----	-----	-----
Oregon.....	.97	-----	\$0.10-\$2.00	\$11.24	\$11.20	\$8.00-\$14.83
Washington.....	1.20	1.56	.50- 3.45	10.26	10.22	4.50- 14.05
Average.....	1.21	1.31	-----	10.47	10.41	-----
Spread.....	-----	-----	.16- 3.45	-----	-----	4.50- 14.83

**DOUGLAS FIR**

California.....	\$1.04	-----	\$0.25-\$2.50	\$18.16	\$18.17	\$6.00-\$18.50
Idaho.....	1.55	\$1.90	.50- 2.50	-----	-----	-----
Montana.....	1.35	-----	.46- 2.70	-----	-----	-----
Oregon.....	2.26	1.57	.24- 5.05	14.39	14.40	3.00- 17.97
Washington.....	3.87	2.25	.46- 5.14	17.01	17.10	3.50- 30.75
Average.....	2.98	1.72	.24- 5.14	16.25	16.25	3.00- 30.75
Spread.....	-----	-----	-----	-----	-----	-----

**WHITE FIR**

California.....	\$0.74	-----	\$0.25-\$2.00	\$10.87	\$10.60	\$10.00-\$30.00
Idaho.....	.84	-----	.50- 1.00	-----	-----	-----
Oregon.....	1.00	\$1.50	.50- 2.00	12.44	12.61	8.75- 15.00
Washington.....	1.11	-----	.50- 3.55	9.50	9.50	8.50- 12.50
Average.....	1.06	1.50	-----	11.18	11.01	-----
Spread.....	-----	-----	.25- 3.55	-----	-----	0.75- 30.00

## 16 STATISTICAL BULLETIN 36, U. S. DEPT. OF AGRICULTURE

TABLE 3.—*Prices of softwood stumpage and logs, individual sales, by species and States—Continued*

## BALSAM FIR

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Maine.....	\$7.91	\$7.91	\$7.00-\$9.00	\$18.14	\$18.14	\$14.50-\$24.00
Michigan.....	3.52	2.33	2.00- 5.00	16.47	18.48	15.50- 22.00
Minnesota.....	2.06			15.02	14.80	11.00- 25.00
Vermont.....	7.00	7.00		15.85	15.85	15.00- 18.00
Wisconsin.....				27.48	27.48	17.30- 28.00
Average.....	7.28	7.77	2.00- 9.00	15.33	15.11	
Spread.....						11.00- 28.00

## CYPRUS

Alabama.....				\$20.79	\$20.79	\$17.00-\$28.00
Arkansas.....	\$14.96	\$14.15	\$2.00-\$20.00	14.81	14.81	11.00- 24.00
Florida.....	9.98		4.00- 10.00	19.95	19.95	
Georgia.....	7.90	8.00	7.50- 8.00	23.55	23.55	18.00- 26.61
Kentucky.....	3.00					
Louisiana.....	7.84		8.00- 10.00	24.22	24.22	15.00- 30.00
Mississippi.....	1.84	1.50	1.50- 10.00	20.17	20.17	19.97- 22.00
Missouri.....				14.81	14.81	14.25- 15.00
North Carolina.....	3.63	3.48	2.70- 4.00	21.09	21.09	18.00- 22.00
South Carolina.....	7.14		4.00- 9.50	21.40	21.40	15.88- 26.00
Tennessee.....	8.00		4.00- 8.00	16.31	16.31	14.12- 30.00
Texas.....	4.70	8.00	4.00- 8.00	18.00	18.00	
Virginia.....				32.32	23.00	23.00- 35.00
Average.....	9.41	6.98		20.37	19.81	
Spread.....			1.50- 20.00			11.00- 35.00

## REDWOOD

California.....	\$3.25		\$1.50-\$5.00	\$14.50	\$14.50	
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## INCENSE CEDAR

California.....	\$0.98		\$0.25-\$2.00	\$11.30	\$11.30	\$10.00-\$30.00
Oregon.....	.64		.50- 1.00			
Average.....	.84			11.30	11.30	
Spread.....			.25- 2.00			10.00- 30.00

## WESTERN RED CEDAR

Idaho.....	\$0.99	\$1.00	\$0.50-\$1.00			
Oregon.....	2.70	2.50	.84- 3.00	\$14.78	\$15.14	\$7.00-\$18.04
Washington.....	4.30		1.00- 8.00	19.54	20.60	8.00- 35.00
Average.....	3.87	1.74		10.32	20.29	
Spread.....			.50- 8.00			7.00- 35.00

## NORTHERN WHITE CEDAR

Maine.....	\$8.77	\$8.60	\$7.00-\$11.38	\$18.33	\$18.22	\$14.00-\$25.00
Michigan.....	1.97	1.61	1.00- 4.00	11.78	15.25	11.00- 25.00
Minnesota.....				17.00		
Vermont.....	7.00	7.00		16.00	16.00	
Wisconsin.....				13.78	12.05	12.00- 16.41
Average.....	7.26	8.18	1.00- 11.38	15.75	13.35	
Spread.....						11.00- 25.00

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 17

TABLE 3.—*Prices of softwood stumppage and logs, individual sales, by species and States—Continued*

PORT ORFORD CEDAR

State	Stumppage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Oregon.....	\$5.00	\$5.00		\$36.60	\$36.60	\$21.46-\$54.94

EASTERN RED CEDAR

Alabama.....	\$12.12	\$12.12	\$11.58-\$12.50	\$34.31	\$34.31	\$30.00-\$35.00
Florida.....				19.00	19.00	
Kentucky.....				40.00	40.00	
Missouri.....				40.00	40.00	
Oklahoma.....				40.00	40.00	
South Carolina.....				44.00	44.00	
Tennessee.....	10.88	9.50	8.50- 15.00	44.14	44.14	27.00- 47.64
Texas.....				30.00	30.00	
West Virginia.....				72.60		
Average.....	11.69	9.50	8.50- 15.00	43.30	42.60	19.00- 72.50
Spread.....						

ALL SPECIES

Alabama.....	\$2.91	\$2.52	\$1.30-\$12.50	\$14.21	\$14.21	\$0.00-\$35.00
Arkansas.....	4.26	4.02	1.25- 20.00	13.40	13.40	4.17- 24.00
California.....	2.54	1.00	.25- 6.00	16.68	16.68	0.00- 40.00
Connecticut.....	4.88	4.88	4.00- 7.00	20.00	20.00	
Delaware.....				25.00	25.00	
Florida.....	8.27	6.93	1.50- 22.00	12.70	14.27	4.00-100.00
Georgia.....	3.76	3.88	1.25- 12.00	16.85	17.52	0.20- 26.61
Idaho.....	4.30	4.07	.50- 8.00			
Kentucky.....	3.21		2.25- 3.95	17.24	17.24	0.00- 40.00
Louisiana.....	0.73	3.09	2.33- 10.50	18.38	18.38	0.22- 30.00
Maine.....	8.50	8.44	1.33- 17.00	18.03	18.40	8.00- 20.00
Maryland.....	6.11	7.08	3.50- 10.00			
Massachusetts.....	7.48	7.48	3.00- 17.00	16.03	17.18	5.00- 20.25
Michigan.....	3.04	8.82	1.00- 17.00	10.57	20.80	5.00- 40.15
Minnesota.....	4.57	5.40	2.00- 8.00	22.49	22.12	11.00- 50.00
Mississippi.....	4.20	3.62	1.10- 12.00	15.19	15.20	7.00- 25.00
Missouri.....	4.05	2.93	1.00- 7.50	16.27	16.27	10.00- 40.00
Montana.....	2.41		.46- 5.00			
New Hampshire.....	7.15	7.15	2.78- 10.00	16.54	16.03	10.00- 35.00
New York.....	10.51	11.34	2.00- 16.00	23.29	22.97	11.00- 45.00
North Carolina.....	5.41	5.80	2.00- 12.00	17.16	17.19	9.00- 22.00
Ohio.....	5.00					
Oklahoma.....	2.77	2.43	2.00- 4.33	21.79	21.79	4.82- 10.00
Oregon.....	3.81	1.60	.16- 7.00	14.01	15.00	3.00- 54.94
Pennsylvania.....	8.54	7.60	2.00- 20.00	23.30	23.30	14.00- 35.00
Rhode Island.....	4.00					
South Carolina.....	5.35	5.09	1.25- 16.00	17.83	17.83	5.00- 44.00
Tennessee.....	6.64	5.76	3.00- 15.00	36.22	36.22	14.12- 47.64
Texas.....	4.35	3.02	.83- 6.50	14.00	14.75	5.00- 30.00
Vermont.....	6.93	6.99	4.00- 10.00	17.90	17.04	12.00- 28.00
Virginia.....	5.54	5.25	2.00- 10.00	19.80	18.23	6.00- 35.00
Washington.....	3.18	2.31	.25- 8.00	15.93	15.82	3.50- 35.00
West Virginia.....	3.04		2.00- 3.50	45.80	13.75	12.00- 72.50
Wisconsin.....	4.16		.50- 16.00	18.30	18.75	11.00- 45.00
Average.....	3.76	3.06	.16- 22.00	15.74	15.07	
Spread.....						3.00-100.00

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TABLE 4.—*Prices of softwood stumpage and logs, flat-rate sales, by States*

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		
	All sales	Second growth		All sales	Lumber logs	
Alabama	\$4.05	\$4.05	\$2.00-\$12.00	\$14.00	\$14.00	
Arkansas	2.03	2.03	1.00-8.00			
California	2.41		.76-4.00	12.82	12.82	\$16.00-\$14.00
Florida	8.65	1.73	1.76-10.00	17.65	21.67	4.20-22.11
Georgia	2.80	2.70	2.00-5.00	15.98	15.98	15.40-18.00
Idaho	1.49	1.07	.38-2.13			
Louisiana	4.52	3.67	1.80-10.71	10.27	10.27	10.00-18.07
Maine	5.62	5.02	5.00-14.00	24.17	16.99	15.00-23.00
Massachusetts	4.73	4.73	3.00-5.50			
Mississippi	4.34	3.16	1.28*-7.42	18.65	18.55	8.00-22.82
Montana	2.01	2.00	.90-4.00			
New Hampshire	4.79	4.70	3.00-8.00			
New Jersey	4.00	4.00				
New York				11.37	11.37	10.00-15.00
North Carolina	.95	.95	.87-3.51			
Oregon	1.07	2.38	.18-5.88	12.40	12.40	8.50-16.30
South Carolina	5.00			9.42	9.42	8.00-15.00
Texas	6.03	3.13	1.60-9.95	6.94	6.94	5.14-10.00
Vermont	5.92	5.92	3.90-7.00	16.15	16.15	15.00-20.00
Washington	3.22	2.34	.20-6.04	12.86	12.98	3.76-15.82
Wisconsin	3.64	3.64				
Average	2.39	2.77	.18-14.00	13.01	13.00	3.76-28.00
Spread						

TABLE 5.—*Prices of softwood stumpage and logs, all sales, by States*

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		
	All sales	Second growth		All sales	Lumber logs	
Alabama	\$3.07	\$2.70	\$1.30-\$12.50	\$14.20	\$14.20	\$8.00-\$35.00
Arkansas	4.72	3.94	1.00-20.00	13.40	13.40	4.17-21.00
California	2.47	1.00	.25-6.00	15.24	15.22	6.00-40.00
Connecticut	4.88	4.88	4.00-7.00	20.00	20.00	
Delaware				25.00	25.00	
Florida	7.82	6.03	1.50-22.00	14.07	18.31	4.00-100.00
Georgia	3.55	3.60	1.25-12.00	16.85	17.09	9.20-26.61
Idaho	3.22	3.14	.38-8.00			
Kentucky	3.21		2.25-3.95	17.24	17.24	8.00-40.00
Louisiana	6.22	3.68	1.80-16.30	16.73	16.73	9.22-30.00
Maine	8.44	8.30	1.33-17.00	19.18	18.27	8.00-20.00
Maryland	6.11	7.08	3.50-10.00			
Massachusetts	7.08	7.08	3.00-17.00	16.63	17.16	5.00-20.25
Michigan	3.64	8.82	1.00-17.00	19.57	20.80	5.00-40.15
Minnesota	4.57	5.40	2.00-8.00	22.49	22.12	11.00-50.00
Mississippi	4.24	3.58	1.10-12.00	15.64	15.65	7.00-25.00
Missouri	4.05	2.93	1.00-7.50	16.27	16.27	10.00-40.00
Montana	2.24	2.00	.40-5.00			
New Hampshire	6.70	6.70	2.76-10.00	16.54	16.03	10.00-35.00
New Jersey	4.00	4.00				
New York	10.51	11.34	2.00-18.00	21.69	21.37	10.00-45.00
North Carolina	5.24	5.50	.87-12.00	17.16	17.19	9.00-22.00
Ohio	6.00	6.00				
Oklahoma	2.77	2.43	2.00-4.39	21.79	21.79	4.82-40.00
Oregon	2.96	1.93	.18-7.00	14.88	14.03	3.00-64.94
Pennsylvania	8.54	7.50	2.00-20.00	23.30	23.30	14.00-35.00
Rhode Island	4.00	4.00				
South Carolina	5.35	5.00	1.25-15.00	17.19	17.19	6.00-44.00
Tennessee	6.64	6.76	3.00-15.00	30.22	30.22	14.12-47.84
Texas	4.93	4.20	.83-6.95	18.87	18.85	5.00-30.00
Vermont	6.77	6.88	3.90-10.00	17.89	17.66	12.00-28.00
Virginia	5.54	5.25	2.00-10.00	19.88	18.23	3.00-35.00
Washington	3.10	2.32	.20-8.00	16.86	16.76	3.50-35.00
West Virginia	3.04		2.00-3.50	45.89	13.75	12.00-72.50
Wisconsin	4.13	3.64	.60-16.00	18.30	18.75	11.00-45.00
Average	8.19	8.55	.18-22.00	15.66	15.59	
Spread						

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 19

TABLE 6.—*Prices of hardwood stumppage and logs, individual sales, by species and States*

OAK—SPECIES NOT REPORTED

State	Stumppage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama.....	\$5.80	\$8.23	\$2.00-\$10.00			
Arkansas.....	5.40	7.40	.60-25.00	\$16.14	\$16.36	\$10.00-\$30.00
Florida.....				21.20	21.29	
Georgia.....	6.00			22.11	22.11	21.00-25.00
Illinois.....				60.00	60.00	
Indiana.....	17.92	18.79	9.75-30.00	60.00	60.00	
Kentucky.....	6.70		5.00-9.00	25.00		
Louisiana.....	2.48		2.30-5.00	18.09	18.09	12.03-23.50
Maine.....				25.00		
Maryland.....						
Massachusetts.....						
Michigan.....	15.35	20.00	9.00-20.00	22.77	22.77	22.00-26.00
Mississippi.....	2.24	2.00	2.00-3.00	28.77	28.77	20.00-30.00
Missouri.....	2.33	10.00	1.00-10.00	24.00	24.00	
New Hampshire.....	7.97	7.97	7.00-10.00	20.65	20.65	8.00-22.48
New Jersey.....	13.60	11.90	10.00-20.00	12.00	12.00	
New York.....	7.00	7.00		44.00	42.50	42.50-60.00
North Carolina.....	5.00			33.33	33.33	25.00-60.00
Ohio.....	15.78	4.00	3.50-25.00	42.41		15.00-45.00
Oklahoma.....	2.91		2.55-3.59	30.35	30.35	15.00-40.00
Pennsylvania.....	9.13	7.48	3.50-17.00	28.29	28.85	12.25-37.00
South Carolina.....	3.48		2.00-6.00	8.10	8.10	8.00-18.55
Tennessee.....	6.43	6.70	2.00-20.00	24.21	23.93	14.00-34.00
Texas.....	3.08		2.00-5.00	16.00	16.00	
Vermont.....	7.25	7.25	5.00-8.00	27.19	27.19	20.00-35.00
Virginia.....	6.03	6.30	2.00-12.00	20.53	20.53	20.00-22.00
Washington.....				45.00		
West Virginia.....	4.02		3.70-4.20			
Wisconsin.....	10.00			43.65	34.93	15.00-90.00
Average.....	6.74	7.51	.60-30.00	23.16	21.71	
Spread.....						8.00-30.00

RED OAK

Alabama.....	\$10.00	\$10.30		\$16.43	\$18.48	\$15.00-\$25.00
Arkansas.....	6.62	6.47	\$2.00-\$7.60	18.98	18.60	10.00-40.00
Connecticut.....	0.72	6.72	8.00-7.00			
Georgia.....	4.00	4.00		15.00	15.00	
Illinois.....	4.50	4.50	4.00-5.00	34.31	32.50	12.50-48.28
Indiana.....	10.24	12.91	5.00-30.00	32.88	32.90	10.00-40.00
Kansas.....	10.00					
Kentucky.....	10.00			44.95	44.95	17.00-60.00
Louisiana.....				20.91	20.91	14.00-22.60
Maine.....	10.00	10.00		20.00	20.00	
Maryland.....	6.06	5.51	4.50-10.00			
Massachusetts.....	8.33	8.33	8.00-16.00	17.07	17.07	17.00-20.00
Michigan.....	11.20	11.21	10.00-12.00	74.02	25.40	23.00-90.28
Minnesota.....				23.89	23.89	18.00-27.00
Mississippi.....	6.40	5.20	4.00-12.00	19.25	19.25	10.25-11.00-20.00
Missouri.....	2.42	2.92	.60-3.50	16.60	16.60	
New Hampshire.....	15.00	15.00		17.59	16.52	16.50-20.00
New York.....	8.10	8.15	6.00-17.00	33.22	28.42	24.00-35.00
North Carolina.....	5.00	5.00		33.87	14.50	14.50-36.50
Ohio.....	8.09	7.00	3.00-20.00	33.40	33.40	16.00-45.00
Oklahoma.....	2.80					
Pennsylvania.....	7.04	0.34	4.00-15.00	20.79	20.84	18.00-40.00
South Carolina.....				19.68	19.68	7.50-23.00
Tennessee.....	8.68	0.00	4.00-12.00	30.69	30.65	15.00-34.00
Texas.....	3.21	4.00	2.50-5.00	14.08	14.98	12.00-17.14
Vermont.....	7.74	7.00	7.00-8.00	23.44	23.44	20.00-25.00
Virginia.....	5.35	6.66	4.00-8.00	10.00		
West Virginia.....	8.00			38.43	17.73	15.44-65.00
Wisconsin.....				49.45	30.12	24.00-83.91
Average.....	7.48	7.98	.50-30.00	25.92	25.47	
Spread.....						7.50-30.28

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TABLE 6.—*Prices of hardwood stumpage and logs, individual sales, by species and States—Continued*

## WHITE OAK

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		
	All sales	Second growth		All sales	Lumber logs	
Alabama	\$3.94		\$2.00-\$4.00	\$22.80	\$22.80	\$16.00-\$25.00
Arkansas	6.20	\$6.41	1.50-18.75	20.72	17.44	6.50-50.00
Connecticut	4.00	4.00		25.00	25.00	
Delaware				30.00	30.00	
Georgia	4.03		4.00-5.00			
Illinois	7.60	7.60	7.00-8.00	57.84		
Indiana	23.06	17.47	8.25-40.00	38.63	38.49	22.00-60.00
Kentucky				51.13	51.16	22.60-65.00
Louisiana	5.01		5.00-6.00	14.46	14.46	5.25-21.88
Maine	7.01	7.01	4.00-9.00	19.31	19.31	18.00-20.00
Maryland	6.54	4.87	4.50-12.50			
Massachusetts				20.00	20.00	
Michigan				40.93	40.00	40.00-52.73
Minnesota				29.57	29.57	
Mississippi	8.25	3.40	3.50-15.00	17.90	17.90	13.75-23.00
Missouri	4.33	3.00	1.00-12.00	14.99	14.99	5.00-15.00
New York	10.00	10.00		71.00	33.00	33.00-90.00
North Carolina	5.78	4.00	3.00-7.50	47.79		40.00-50.00
Ohio	12.05	10.06	3.16-22.00	47.07	33.66	14.00-63.10
Oklahoma	3.00					
Pennsylvania	9.87	10.35	6.00-17.00	21.00	21.00	
Rhode Island	4.00	4.00				
South Carolina	14.00			24.26	24.26	12.00-27.00
Tennessee	14.14		4.00-20.00	33.81	33.81	15.00-75.00
Texas	4.00			15.66	15.66	12.00-17.14
Virginia	6.22	8.00	3.50-10.00	11.92	12.00	11.00-12.00
West Virginia	5.07	3.50	3.25-10.00	56.17	19.38	15.44-78.00
Wisconsin				65.14	36.17	27.00-75.00
Average	9.75	7.23	1.00-40.00	31.32	29.68	5.25-90.00
Spread						

## OAK—ALL INDIVIDUAL SALES

Alabama	55.78	\$8.60	\$2.00-\$10.00	\$20.01	\$21.75	\$15.00-\$25.00
Arkansas	5.86	5.51	.60-25.00	19.37	17.73	8.50-50.00
Connecticut	4.57	4.64	4.00-7.00	26.00	25.00	
Delaware				30.00	30.00	
Florida				21.20	21.29	
Georgia	4.84	4.00	4.00-5.00	21.16	21.16	15.00-25.00
Illinois	5.08	5.08	4.00-8.00	51.64	13.95	12.50-57.84
Indiana	10.54	14.93	5.00-40.00	37.43	37.30	19.00-60.00
Kansas	10.00					
Kentucky	6.81		5.00-10.00	47.11	48.51	17.00-35.00
Louisiana	2.52		2.30-12.00	18.84	18.84	5.25-24.30
Maine	8.13	8.13	4.00-10.00	23.84	19.84	18.00-23.00
Maryland	5.91	5.49	4.00-12.50			
Massachusetts	8.33	8.33	8.00-15.00	19.15	19.15	17.00-23.00
Michigan	14.53	15.28	9.00-20.00	36.66	29.23	20.00-90.28
Minnesota				26.38	26.38	18.00-29.57
Mississippi	0.34	3.59	2.00-15.00	18.88	18.88	11.00-24.00
Missouri	2.55	5.22	5.00-12.00	19.88	19.88	6.00-22.48
New Hampshire	9.66	9.68	7.00-15.00	16.95	15.81	12.00-20.00
New Jersey	13.00	11.00	10.00-20.00	44.00	42.50	42.50-50.00
New York	8.10	8.22	6.00-17.00	46.91	30.39	24.00-90.00
North Carolina	5.21	4.18	3.00-7.50	39.05	14.60	14.50-50.00
Ohio	12.78	7.80	3.00-25.00	35.48	31.57	14.00-63.10
Oklahoma	2.02		2.50-3.50			
Pennsylvania	9.14	7.35	3.50-17.00	23.88	25.38	12.25-40.00
Rhode Island	4.00	4.00				
South Carolina	4.11		2.00-14.00	14.70	14.70	7.50-27.00
Tennessee	9.05	6.76	2.00-20.00	29.66	29.88	14.00-38.00
Texas	3.15	4.00	2.00-5.00	15.28	16.28	12.00-17.14
Vermont	7.32	7.24	5.00-8.00	28.17	28.17	20.00-35.00
Virginia	6.78	5.41	2.00-12.00	18.99	19.17	10.00-22.00
West Virginia	5.74	3.50	3.25-10.00	51.85	18.87	15.44-78.00
Wisconsin	10.00			48.97	33.84	16.00-90.00
Average	7.80	7.13		27.07	25.83	
Spread			.50-40.00			5.25-90.28

Average

Spread

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 21

TABLE 6.—*Prices of hardwood stumppage and logs, individual sales, by species and States—Continued*

SOFT MAPLE

State	Stumppage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Indiana.....	\$17.39	\$10.30	\$4.50-\$20.00	\$35.00	\$35.00	.....
Iowa.....	.....	.....	.....	31.00	31.00	.....
Louisiana.....	.....	.....	.....	22.52	22.52	.....
Michigan.....	3.47	2.00	2.00- 7.00	30.75	23.35	\$12.00-\$33.38
New York.....	19.33	19.33	6.00- 20.00	18.00	18.00	.....
Ohio.....	4.00	4.00	.....	16.00	16.00	.....
Pennsylvania.....	5.00	.....	.....	20.00	20.00	.....
South Carolina.....	2.00	.....	.....	22.00	22.00	.....
Tennessee.....	.....	.....	.....	18.00	18.00	.....
Vermont.....	.....	.....	.....	21.33	20.70	18.00- 32.50
Wisconsin.....	.....	.....	.....	.....	.....	.....
Average.....	13.13	8.85	2.00- 20.00	26.39	24.31	.....
Spread.....	.....	.....	.....	.....	.....	12.00- 55.58

HARD MAPLE

Indiana.....	\$26.60	\$23.56	\$15.00-\$30.00	\$41.84	\$41.84	\$35.00-\$45.00
Kentucky.....	.....	.....	.....	45.00	.....	.....
Maine.....	.....	.....	.....	18.67	18.18	18.00- 20.00
Maryland.....	5.00	.....	.....	.....	.....	.....
Michigan.....	.....	.....	.....	32.64	24.47	21.00- 55.00
New York.....	9.00	9.00	.....	28.29	28.29	19.00- 30.00
Ohio.....	9.69	7.00	5.00- 15.00	18.00	18.00	.....
Pennsylvania.....	9.42	0.42	4.00- 10.00	20.00	20.00	.....
Tennessee.....	.....	.....	.....	27.00	27.00	.....
Vermont.....	.....	.....	.....	21.46	22.60	18.00- 22.50
Wisconsin.....	.....	.....	.....	24.77	24.75	16.00- 32.50
Average.....	18.74	16.00	4.00- 30.00	31.05	28.86	.....
Spread.....	.....	.....	.....	.....	.....	16.00- 55.00

MAPLE—SPECIES NOT REPORTED

Alabama.....	.....	.....	.....	\$15.00	\$15.00	.....
Arkansas.....	\$5.00	.....	.....	10.02	16.92	\$13.00-\$30.00
Connecticut.....	6.00	\$6.00	.....	.....	.....	.....
Florida.....	.....	.....	.....	20.93	20.93	.....
Georgia.....	.....	.....	.....	25.49	25.49	22.00- 26.00
Illinois.....	4.00	4.00	.....	46.00	45.95- 46.00	.....
Indiana.....	17.54	14.83	\$9.00-\$25.00	33.71	33.55	20.00- 70.00
Kentucky.....	7.17	.....	6.00- 9.00	35.00	35.00	20.00- 40.00
Louisiana.....	.....	.....	.....	10.07	10.67	.....
Maine.....	8.00	8.00	.....	16.00	16.00	16.00- 17.50
Maryland.....	0.18	3.00	3.00- 6.33	.....	.....	.....
Massachusetts.....	.....	.....	.....	44.98	20.00	20.00- 55.00
Michigan.....	10.65	15.65	4.00- 20.00	25.92	24.62	19.00-170.00
Minnesota.....	.....	.....	.....	17.82	17.82	12.00- 18.00
Mississippi.....	10.00	.....	.....	18.13	18.13	17.85- 23.00
Missouri.....	.....	.....	.....	15.30	15.44	4.00- 16.00
New Hampshire.....	6.00	6.00	.....	24.01	24.15	16.50- 25.00
New York.....	6.06	10.00	5.00- 20.00	28.73	30.60	15.00-125.00
North Carolina.....	10.00	.....	.....	.....	.....	.....
Ohio.....	13.52	7.10	4.00- 20.00	36.21	38.51	12.00- 46.00
Oregon.....	.....	.....	.....	22.15	22.15	.....
Pennsylvania.....	10.05	12.46	2.00- 25.00	24.14	23.29	13.20- 50.00
South Carolina.....	.....	.....	.....	26.46	26.45	24.00- 20.55
Tennessee.....	.....	.....	.....	33.20	33.20	22.00- 35.00
Vermont.....	9.05	8.00	6.00- 12.00	23.42	23.49	15.00- 40.00
Washington.....	2.55	.....	1.66- 2.80	20.89	15.00	15.00- 22.00
West Virginia.....	5.00	.....	.....	31.23	15.44	15.44- 33.57
Wisconsin.....	4.50	.....	.....	25.67	25.94	10.00- 85.00
Average.....	10.15	14.79	1.68- 25.00	26.01	24.99	.....
Spread.....	.....	.....	.....	.....	.....	6.00-170.00

## 22 STATISTICAL BULLETIN 36, U. S. DEPT. OF AGRICULTURE

TABLE 3.—*Prices of softwood stumpage and logs, individual sales, by species and States—Continued*

## MAPLE—ALL INDIVIDUAL SALES

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama.....				\$15.00	\$15.00	
Arkansas.....	\$5.00		16.92	16.92		\$15.00-\$30.00
Connecticut.....	6.00	\$6.00				
Florida.....				20.93	20.93	
Georgia.....				25.49	25.49	22.00-26.60
Illinois.....	4.00	4.00		46.00		45.95-48.00
Indiana.....	22.18	19.37	\$1.50-\$30.00	40.72	40.65	20.00-70.00
Iowa.....				31.00	31.00	
Kentucky.....	7.17		6.00- 9.00	35.31	35.00	20.00-45.00
Louisiana.....				21.15	21.15	10.07-22.52
Maine.....	8.00	8.00	3.00- 6.33	17.15	16.79	16.00-20.00
Maryland.....	5.91	3.00				
Massachusetts.....				44.08	20.00	20.00-56.00
Michigan.....	10.03	15.61	2.00-20.00	28.13	24.62	12.00-170.00
Minnesota.....				17.82	17.82	12.00-18.00
Mississippi.....	10.00			18.13	18.13	17.85-23.00
Missouri.....				15.30	15.44	8.00-14.00
New Hampshire.....	6.00	5.00		24.01	24.15	14.50-25.00
New York.....	8.15	13.08	5.00-20.00	28.68	30.47	15.00-125.00
North Carolina.....	10.00					
Ohio.....	12.48	6.94	4.00-20.00	35.46	37.59	12.50-45.00
Oregon.....				22.15	22.15	
Pennsylvania.....	9.68	11.66	2.00-25.00	24.03	23.20	13.20-50.00
South Carolina.....	2.00			25.45	26.45	22.00-35.00
Tennessee.....				29.00	29.00	
Vermont.....	9.95	8.00	8.00-12.00	23.33	23.36	15.00-40.00
Washington.....	2.65		1.00- 2.80	20.89	15.00	15.00-22.00
West Virginia.....	5.00			31.23	15.44	15.44-33.37
Wisconsin.....	4.60			25.49	25.70	10.00-85.00
Average.....	10.45	14.80		26.30	25.21	
Spread.....			1.00-30.00			8.00-170.00

## WILLOW

Arkansas.....				\$15.62	\$15.62	\$13.00-\$18.00
Louisiana.....	\$5.00	\$5.00		18.31	18.31	11.93-24.30
Mississippi.....	5.00	5.00			20.00	
Tennessee.....						
Average.....	5.00	5.00		18.44	18.44	11.93-24.30
Spread.....						

## ELM—SPECIES NOT REPORTED

Alabama.....				\$15.00	\$15.00	
Arkansas.....	\$14.13	\$14.13	\$5.00-\$22.00	23.85	18.47	\$10.50-\$38.00
Florida.....				21.16	21.16	
Illinois.....	4.00	4.00		31.01	45.00	23.00-46.95
Indiana.....	17.75	14.63	7.50-20.00	33.34	33.38	20.00-40.00
Iowa.....				25.00	25.00	
Kansas.....	4.00					
Kentucky.....	4.65		4.00- 8.00	35.00	35.00	
Louisiana.....				23.54	23.11	12.89-25.00
Michigan.....	10.70	16.05	5.00-18.78	27.70	27.45	15.00-34.98
Minnesota.....				16.31	16.31	14.11-18.00
Mississippi.....	7.12		5.00-10.00	29.29	18.69	18.55-30.00
Missouri.....				11.04		0.00-25.00
New York.....	14.67	14.67	4.00-20.00	30.32	29.57	16.50-50.00
North Carolina.....				14.53	14.53	
Ohio.....	12.88	8.58	4.00-20.00	34.74	29.81	18.00-42.50
Pennsylvania.....				30.00	30.00	
South Carolina.....				21.72	21.72	16.02-22.00
Tennessee.....	0.81		4.00-10.00	27.87	27.87	10.00-35.00
Texas.....	1.00					
Vermont.....	6.00	0.00		22.57	20.00	20.00-28.00
Wisconsin.....	7.00			28.30	27.89	12.00-35.00
Average.....	12.72	14.04	1.00-22.00	27.33	26.05	0.00-50.00
Spread.....						

**STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 23**

**TABLE 6.—Prices of hardwood stumppage and logs, individual sales, by species and States—Continued**

**ROCK ELM**

State	Stumppage		Logs		
	Price per thousand		Price range, all sales	Price per thousand	
	All sales	Second growth		All sales	
Michigan.....				\$10.00	\$10.00
Wisconsin.....				25.83	25.83
Average.....				25.65	25.65
Spread.....					10.00-30.00

**ASH**

Alabama.....	\$3.00			\$37.38	\$37.38	\$24.00-\$45.00
Arkansas.....	10.78	\$12.33	\$3.00-\$25.00	18.46	18.50	12.00-30.00
Florida.....				32.15	32.15	
Georgia.....				32.19	32.19	25.00-33.78
Indiana.....	28.22	25.68	18.00-40.00	48.52	48.10	28.00-64.50
Kentucky.....	7.85		6.00-8.00	50.24	50.00	50.00-60.00
Louisiana.....	12.80			33.18	33.18	16.00-34.56
Maine.....	8.12	10.00	5.00-10.00	24.58	20.00	20.00-30.00
Massachusetts.....				20.00	20.00	
Michigan.....	8.14	35.00	5.00-35.00	27.92	24.00	10.00-57.22
Minnesota.....				21.33	21.33	20.00-22.00
Mississippi.....	10.57		10.00-15.00	47.20	21.00	20.91-50.00
Missouri.....				25.20		5.00-30.00
New Hampshire.....	10.00	10.00		32.63	24.00	24.00-35.00
New York.....	5.97	10.00	5.00-10.00	36.47	37.00	20.00-60.00
North Carolina.....				14.83	14.83	
Ohio.....	29.98	30.48	10.00-40.00	60.74	46.22	35.00-60.00
Oregon.....				22.15	22.15	
Pennsylvania.....	10.79	23.75	4.00-30.00	30.94	33.06	20.00-60.00
South Carolina.....	3.00			31.25	31.25	25.00-38.00
Tennessee.....	6.50	6.50		33.34	33.34	10.00-42.00
Texas.....	4.00					
Vermont.....	33.85	33.85	30.00-35.00	38.65	28.73	25.00-45.00
Virginia.....	6.06		6.00-8.50			
Washington.....				21.00		
Wisconsin.....	7.00			20.02	25.68	10.00-55.87
Average.....	17.06	25.82	3.00-40.00	32.62	29.10	6.00-64.50
Spread.....						

**BLACK WALNUT**

Alabama.....				\$41.25	\$41.25	
Arkansas.....	80.15	\$5.00	\$5.00-\$10.00	125.00		
Illinois.....	114.24		80.00-120.00	135.81	135.81	
Indiana.....	91.71	60.64	30.00-125.00	151.31	93.33	\$45.00-\$350.00
Iowa.....	112.00					
Kansas.....	116.00					
Kentucky.....				190.59	192.73	100.00-200.00
Mississippi.....	15.00			85.00	85.00	
Missouri.....	120.00			146.66	48.00	48.00-303.29
New York.....				150.00		
Ohio.....	40.66	35.82	20.00-60.00	96.95	59.86	35.00-130.00
Oklahoma.....				50.00	50.00	
Pennsylvania.....				92.87	58.20	30.00-150.00
South Carolina.....				70.00	70.00	
Tennessee.....	10.00			83.80	83.80	35.00-107.00
Virginia.....				232.84	30.00	30.00-464.44
West Virginia.....				175.70	22.00	20.00-180.00
Average.....	103.57	44.59	5.00-125.00	133.47	105.20	20.00-454.44
Spread.....						

## 24 STATISTICAL BULLETIN 36, U. S. DEPT. OF AGRICULTURE

TABLE 6.—*Prices of hardwood stumpage and logs, individual sales, by species and States—Continued*

## BUTTERNUT

State	Stumpage			Logs	
	Price per thousand		Price range, all sales	Price per thousand	Price range, all sales
	All sales	Second growth		All sales	Lumber logs
Indiana.....				\$34.41	\$34.41
Michigan.....	\$25.00			55.00	
New York.....				32.00	32.00
Pennsylvania.....	4.00	\$4.00		18.00	18.00
Tennessee.....				30.78	30.78
Wisconsin.....					23.00–35.00
Average.....	12.75	4.00	\$4.00–\$25.00	28.78	27.84
Spread.....					18.00–55.00

## RED GUM

Alabama.....	\$2.00	\$2.00		\$20.80	\$20.88	\$14.00–\$20.00
Arkansas.....	4.39	4.36	\$0.35–\$22.00	19.39	18.20	10.00–30.00
Florida.....	2.82		2.63–3.00	20.80	21.54	15.00–22.00
Georgia.....	5.00			21.11	22.63	13.00–25.00
Illinois.....				40.70		35.00–45.38
Indiana.....	7.25	8.93	5.00–20.00	22.55	21.17	15.00–45.00
Kentucky.....	6.52		6.00–9.00	36.21	36.21	10.00–40.00
Louisiana.....	3.90		1.00–8.00	19.68	20.37	5.25–26.00
Maryland.....	4.67	4.43	4.00–6.25			
Mississippi.....	7.82	3.15	3.00–15.00	19.79	19.35	12.00–35.00
Missouri.....				20.79	18.07	6.00–40.00
North Carolina.....	3.96	2.50	2.50–7.00	19.42	14.85	14.00–40.00
Ohio.....	4.00	5.00	3.00–6.00			
Oklahoma.....	4.50					
Pennsylvania.....	4.00	4.00				
South Carolina.....	2.00			22.82	24.28	10.00–27.00
Tennessee.....	4.01	5.00	4.00–5.00	27.83	26.26	10.00–60.00
Texas.....	4.47	3.23	2.00–5.00	15.83	15.83	12.00–16.00
Virginia.....	2.73	2.73	1.50–4.00	27.65	28.00	25.00–28.00
Average.....	4.14	3.70	.35–22.00	22.24	22.08	
Spread.....						5.25–60.00

## TUPELO GUM

Alabama.....				\$20.45	\$20.09	\$12.00–\$20.00
Arkansas.....	\$3.50	\$3.17	\$3.00–\$5.50	17.70	13.93	10.50–22.00
Florida.....	2.63			15.00	15.00	
Georgia.....				24.13	23.09	22.00–27.00
Illinois.....				36.56		
Louisiana.....	3.27	4.00	3.00–5.00	13.10	12.86	11.55–20.30
Mississippi.....	2.43	1.00	1.00–3.00	22.63	11.86	9.25–25.00
North Carolina.....	3.92	2.87	2.70–4.00	21.00		
South Carolina.....	2.00			16.07	16.07	
Tennessee.....				24.59	24.59	18.00–26.00
Texas.....	1.18					
Average.....	3.23	3.05	1.00–5.50	17.40	14.33	
Spread.....						9.25–36.50

## BLACK GUM

Alabama.....				\$19.44	\$19.44	\$14.00–\$22.00
Arkansas.....	\$1.00			16.48	14.78	10.50–20.00
Georgia.....				19.00	19.00	
Louisiana.....				17.63	17.63	17.00–18.12
Mississippi.....	10.00			15.10	15.10	9.25–15.25
Tennessee.....				19.06	19.06	18.00–22.00
Average.....	4.55			16.55	16.10	
Spread.....			\$1.00–\$10.00			9.25–22.00

**STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 25**

**TABLE 6.—*Prices of hardwood stumppage and logs, individual sales, by species and States—Continued***

**GUMS—ALL INDIVIDUAL SALES**

State	Stumppage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama.....	\$2.00	\$2.00		\$20.54	\$20.58	\$12.00-\$29.00
Arkansas.....	4.11	4.03	\$0.35-\$22.00	18.97	17.70	10.00-30.00
Florida.....	2.73		2.03- 3.00	20.05	20.48	15.00- 22.00
Georgia.....	5.00			21.10	22.59	13.00- 33.78
Illinois.....				40.68		35.00- 45.38
Indiana.....	7.26	8.93	5.00- 20.00	22.53	21.17	15.00- 45.00
Kentucky.....	6.52		6.00- 9.00	36.21	36.21	10.00- 40.00
Louisiana.....	3.49	4.00	1.00- 8.00	16.80	17.45	5.25- 26.00
Maryland.....	4.67	4.43	4.00- 6.25			
Mississippi.....	6.91	2.91	1.00- 15.00	19.57	18.83	9.25- 35.00
Missouri.....				20.79	18.67	6.00- 40.00
North Carolina.....	3.96	2.56	2.50- 7.00	19.50	14.86	14.00- 40.00
Ohio.....	4.00	5.00	3.00- 5.00			
Oklahoma.....	4.50					
Pennsylvania.....	4.00	4.00				
South Carolina.....	2.00			22.77	24.20	10.00- 27.00
Tennessee.....	4.01	5.00	4.00- 5.00	27.57	28.25	10.00- 60.00
Texas.....	3.88	3.23	1.18- 5.00	15.83	15.83	12.00- 15.00
Virginia.....	2.73	2.73	1.50- 4.00	27.65	28.00	25.00- 28.00
Average.....	3.83	3.57	1.35- 22.00	21.17	21.05	
Spread.....						5.25- 60.00

**SYCAMORE**

Alabama.....				\$19.03	\$19.03	
Arkansas.....				14.56	14.58	\$11.00-\$22.00
Georgia.....				23.17	23.17	22.49- 24.00
Indiana.....	\$7.05	\$7.82	\$5.00-\$10.00	21.71	21.44	20.00- 30.00
Kentucky.....				35.00	35.00	
Louisiana.....				20.67	20.67	11.50- 20.82
Michigan.....	15.00					
Mississippi.....	6.00		5.00- 10.00	17.23	17.23	
Missouri.....	2.50			29.35	15.73	6.00- 30.00
Ohio.....	8.70	10.00	4.00- 10.00	20.00	20.00	
South Carolina.....				23.21	23.21	22.00- 24.05
Tennessee.....	4.00			21.67	21.37	15.00- 30.00
Texas.....	1.00					
Average.....	6.94	7.98	1.00- 15.00	20.29	19.05	
Spread.....						6.00- 35.00

**LOCUST**

Arkansas.....				\$15.00	\$15.00	
Florida.....				24.00	24.00	
Average.....				19.50	19.50	
Spread.....						\$15.00-\$24.00

**ASPEN**

Maine.....	\$3.75	\$3.75				
Michigan.....	12.00			\$23.73	\$23.73	\$16.54-\$24.00
Minnesota.....	1.34	1.43	\$1.00- \$2.50	14.67	12.60	9.00- 25.00
Vermont.....				13.88	13.55	10.00- 15.00
Wisconsin.....				25.00	25.00	
Average.....	1.35	1.51	1.00- 12.00	15.43	14.09	
Spread.....						9.00- 25.00

## 26 STATISTICAL BULLETIN 36, U. S. DEPT. OF AGRICULTURE

TABLE 6.—*Prices of hardwood stumpage and logs, individual sales, by species and States—Continued*

## COTTONWOOD

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama	\$4.00			\$22.50	\$22.50	
Arkansas	4.65	\$4.65	\$3.00-\$5.00	20.94	18.87	\$11.00-\$25.00
Georgia				22.88	22.88	21.97-24.00
Indiana	7.33	7.27	5.00-15.00	25.88	20.88	20.00-30.00
Iowa				31.00	31.00	
Kansas	4.00					
Louisiana	7.11	7.00	7.00-8.00	18.97	18.97	11.73-20.78
Michigan				20.00	20.00	
Mississippi	7.65	7.00	7.00-10.00	15.99	15.63	12.00-16.00
Missouri	6.53	6.70	4.00-8.00	16.87	16.87	5.00-20.00
Ohio	10.90			15.00	15.00	
Oregon				19.79	19.79	
South Carolina				22.88	22.88	13.28-26.20
Tennessee				22.80	22.86	18.00-26.00
Washington	1.50			14.34		5.00-16.00
Average	5.26	6.31	1.50-15.00	16.50	15.88	
Spread						5.00-31.00

## YELLOW POPLAR

Alabama	\$5.31	\$5.60	\$5.00-\$5.50	\$26.94	\$26.94	\$20.00-\$28.00
Arkansas				22.00	22.00	
Florida				23.73	23.73	
Georgia	2.00	2.00		26.40	26.23	16.00-35.00
Illinois				52.83		
Indiana	17.61	16.68	10.00-40.00	44.00	39.70	25.00-69.11
Kentucky	6.47		5.00-12.00	48.32	48.23	17.00-65.00
Maryland	5.22	5.50	5.00-7.00			
Michigan	30.00			65.00	65.00	
Mississippi	7.47		5.00-10.00	20.81	19.40	13.75-35.00
Missouri				14.00	14.00	
New York				80.00		
North Carolina	5.37	5.04	5.00-7.00	43.34	51.56	15.00-57.50
Ohio	27.72	11.42	2.50-35.00	56.98	44.09	35.00-58.26
Pennsylvania	9.09	11.98	4.00-20.00	49.92	45.00	45.00-52.00
South Carolina	3.70		2.00-4.50	29.34	23.12	20.68-34.00
Tennessee	17.57	6.40	2.00-20.00	40.72	32.17	18.00-45.43
Texas	4.00			15.00	15.00	
Virginia	4.14	4.16	2.50-5.00	24.99	22.12	22.00-30.00
West Virginia	5.37	8.00	6.00-12.50	23.00	23.00	
Average	12.14	8.35	2.00-40.00	35.09	33.42	
Spread						13.75-80.00

## YELLOW BIRCH

New Hampshire				\$20.00		
New York	\$8.00	\$8.00				
Vermont				19.33	\$20.00	\$18.00-\$20.00
Average	8.00	8.00			19.75	20.00
Spread						18.00-20.00

## BIRCH—SPECIES NOT REPORTED

Alabama				\$15.00	\$15.00	
Maine	\$7.38	\$7.38	\$4.68-\$8.00	18.71	16.51	\$16.00-\$20.00
Massachusetts				16.16	16.90	15.00-20.00
Michigan	9.20	12.99	4.00-23.00	31.18	28.17	16.00-61.27
Minnesota	8.60			16.24	30.00	16.00-30.00
Missouri				12.00	12.00	
New Hampshire	3.49	3.49	3.00-8.00	24.15	24.41	18.00-25.00
New York	6.62	5.00	5.00-8.00	33.04	32.02	13.20-60.00
Pennsylvania	6.79	4.26	4.00-10.00	20.00	20.00	
Tennessee				18.12	18.12	18.00-30.00
Texas				16.00	16.00	
Vermont	4.91	4.91	3.00-8.00	24.56	22.62	16.00-46.00
Virginia	.50					
Washington				44.56		
Wisconsin	7.76		6.00-8.00	39.93	33.28	10.00-45.00
Average	8.19	6.07		33.58	28.63	10.00-65.00
Spread			.60-23.00			

**STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 27**

**TABLE 6.—Prices of hardwood stumppage and logs, individual sales, by species and States—Continued**

**BIRCH—ALL INDIVIDUAL SALES**

State	Stumppage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama.....				\$15.00	\$15.00	
Maine.....	\$7.38	\$7.38	\$4.58-\$8.00	18.71	16.51	\$16.00-\$20.00
Massachusetts.....				16.18	15.90	15.00-20.00
Michigan.....	9.20	12.90	4.00-23.00	31.18	28.17	10.00-31.27
Minnesota.....	8.50			16.24	30.00	15.00-30.00
Missouri.....				12.00	12.00	
New Hampshire.....	3.49	3.49	3.00-8.00	23.53	24.41	18.00-25.00
New York.....	6.62	5.90	5.00-8.00	33.04	33.02	13.20-40.00
Pennsylvania.....	6.79	4.26	4.00-10.00	29.00	29.00	
Tennessee.....				18.12	18.12	
Texas.....				16.00	16.00	
Vermont.....	4.91	4.01	3.00-8.00	24.45	22.53	15.00-45.00
Virginia.....	.60					
Washington.....				44.50		10.00-45.00
Wisconsin.....	7.70		5.00-8.00	39.93	33.23	10.00-65.00
Average.....	8.19	6.07	5.00-23.00	33.54	29.62	
Spread.....						10.00-65.00

**ALDER**

Oregon.....				\$22.15	\$22.15	
Washington.....	\$2.12	\$2.00	\$1.33-\$2.80	18.40		\$18.00-\$20.00
Average.....	2.12	2.00	1.33-2.80	19.75	22.15	
Spread.....						18.00-22.15

**PECAN**

Arkansas.....	\$1.00			\$13.04	\$13.04	\$13.00-\$13.00
Louisiana.....				15.00	15.00	
Average.....	1.00			13.04	13.04	13.00-18.00
Spread.....						

**HICKORY—SPECIES NOT REPORTED**

Alabama.....	\$6.53		\$5.00-\$8.98			
Arkansas.....	5.68	\$6.00	3.00-7.50	\$31.62	\$27.98	\$12.00-\$30.00
Florida.....				23.00	23.00	
Georgia.....				22.00	22.00	
Illinois.....	4.59	4.59	4.00-5.00			
Indiana.....	11.10	12.24	7.50-15.00	31.24	31.06	22.00-40.00
Kentucky.....				33.01	40.20	26.00-45.00
Louisiana.....				25.00		
Maryland.....	3.60					
Michigan.....	15.00	10.00	10.00-20.00	16.00	15.00	
Mississippi.....	8.63		8.00-12.00	25.26	24.43	13.76-28.00
Missouri.....				16.11		7.00-25.00
New York.....				33.00	33.00	
North Carolina.....	5.00	5.00		42.23	42.23	
Ohio.....	12.25	9.90	6.00-25.00	25.43	25.43	18.00-40.00
Pennsylvania.....	4.00	4.00				
Tennessee.....	5.95	7.25	4.00-7.50	35.85	25.06	6.50-30.00
Texas.....	4.00					
Virginia.....	2.00					
West Virginia.....	5.00					
Average.....	7.01	6.60	2.00-25.00	35.21	37.10	6.50-45.00
Spread.....						

TABLE 6.—*Prices of hardwood stumpage and logs, individual sales, by species and States—Continued*

## HICKORY—ALL INDIVIDUAL SALES

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama	\$6.53		\$5.00-\$8.98			
Arkansas	5.27	\$6.00	1.00-7.50	\$29.57	\$22.21	\$12.00-\$30.00
Florida				23.00	23.00	
Georgia				22.00	22.00	
Illinois	4.59	4.59	4.00-5.00			
Indiana	11.10	12.24	7.50-15.00	31.24	31.00	22.00-40.00
Kentucky				33.01	40.29	26.00-35.00
Louisiana				24.82	15.00	15.00-24.00
Maryland	3.50					
Michigan	15.00	10.00	10.00-20.00	15.00	15.00	
Mississippi	8.83		8.00-12.00	25.25	24.43	13.76-26.00
Missouri				16.11		7.00-25.00
New York				33.00	33.00	
North Carolina	5.00	5.00		42.23	42.23	
Ohio	12.25	9.00	5.00-25.00	25.43	25.43	18.00-40.00
Pennsylvania	4.00	4.00				
Tennessee	5.95	7.25	4.00-7.50	35.85	25.09	6.50-39.00
Texas	4.00					
Virginia	2.00					
West Virginia	5.00					
Average	6.80	6.00		34.69	35.42	
Spread			1.00-25.00			0.50-45.00

## CHERRY

Florida				\$33.07	\$33.07	
Indiana	\$16.87	\$10.00	\$10.00-\$20.00	43.02	43.02	\$25.00-\$50.00
Kentucky				50.00	50.00	
Michigan	14.25	12.00	12.00-18.75	25.97	23.00	20.00-55.00
Mississippi	10.00					
New York	7.10	5.27	5.00-20.00	32.29	30.64	18.00-60.00
Ohio	25.00			40.00	40.00	
Pennsylvania	4.00	4.00		25.00	25.00	
Tennessee				30.00	30.00	
Virginia	8.00					
Wisconsin				22.50	22.50	20.00-25.00
Average	7.60	6.30		31.38	30.14	
Spread			4.00-25.00			18.00-60.00

## BASSWOOD

Arkansas	\$3.00			\$21.55	\$21.55	
Florida						
Indiana	22.67	\$18.00	\$10.00-\$30.00	38.29	38.29	\$22.50-\$40.00
Iowa				31.00	31.00	
Kentucky				40.00	40.00	
Maine	10.00	10.00		20.58	18.37	18.00-23.00
Maryland	4.00	4.00				
Michigan	8.84	5.78	4.00-20.00	28.99	28.02	13.88-58.25
Minnesota	4.50			16.39	16.39	16.12-22.00
Mississippi	7.00			18.29	18.29	
New Hampshire				21.59	21.59	16.50-22.00
New York	3.73	4.92	3.00-10.00	35.26	31.66	17.50-60.00
Ohio	15.09	10.30	5.00-20.00	45.77	29.28	18.00-55.00
Pennsylvania	9.68	9.68	4.00-12.00	25.38	25.38	17.00-30.00
South Carolina	4.60					
Tennessee						
Vermont	7.38	7.38	7.00-8.00	24.00	24.00	
West Virginia				21.92	21.92	18.00-38.00
Wisconsin	8.11	15.00	8.00-15.00	21.77	21.77	21.50-22.50
Average	8.73	11.93	3.00-30.00	32.02	27.60	10.00-80.00
Spread						

**STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 29**

**TABLE 6.—Prices of hardwood stumppage and logs, individual sales, by species and States—Continued**

**CHESTNUT**

State	Stumppage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Connecticut	\$8.00	\$8.00		\$21.07	\$21.07	\$20.00-\$30.00
Indiana				20.00	20.00	
Kentucky						
Maryland	1.83	7.00	\$1.00-\$7.00			
Massachusetts	6.00	6.00		17.00	17.00	
New York	5.52	5.82	4.00-6.00	51.10	23.50	23.75-55.00
North Carolina	5.00	5.00		35.00	35.00	
Ohio	4.08	3.60	2.60-10.00	10.00		
Pennsylvania	4.70	5.12	3.00-6.00	15.50	13.16	11.00-37.50
Tennessee	8.00	8.00		21.57	21.57	15.00-25.00
Virginia	2.78	6.00	1.50-5.00	13.57	15.00	10.00-15.00
West Virginia	3.22	2.00	2.00-3.50	15.44	15.44	
Average	4.38	5.06	1.00-10.00	27.76	27.32	10.00-65.00
Spread						

**BEECH**

Alabama				\$15.00	\$15.00	
Arkansas				18.00	18.00	
Florida				23.04	23.94	
Illinois	\$3.00	\$3.00				
Indiana	9.30	8.33	\$5.00-\$18.00	19.76	17.84	\$12.00-\$30.00
Kentucky				16.76	16.07	15.00-25.00
Maine	5.00	6.00			16.00	
Massachusetts				18.00		
Michigan	7.37	10.00	4.00-15.00	23.48	24.55	16.00-55.00
Mississippi				15.00	15.00	
New Hampshire				23.04	25.00	20.00-25.00
New York	4.33	4.23	2.00-10.00	28.86	31.00	9.00-45.00
Ohio	5.91	5.51	2.00-15.00	18.40	18.58	10.00-25.00
Pennsylvania	4.85	4.84	2.00-10.00	21.15	21.15	12.00-30.00
Tennessee	6.00			18.90	18.90	15.00-18.00
Texas				15.00	15.00	
Vermont	3.00	3.00		18.64	17.12	12.00-26.00
Virginia	3.57	3.67	3.00-5.00			
West Virginia	3.67		2.00-5.00	23.39	15.44	15.44-23.72
Wisconsin				27.27	27.27	16.00-30.00
Average	8.50	6.10	2.00-18.00	23.13	22.84	9.00-55.00
Spread						

**HACKBERRY**

Arkansas				\$14.35	\$14.35	\$11.00-\$18.00
Florida				22.75	22.75	
Indiana	\$10.00	\$10.00		20.43	20.43	20.00-30.00
Louisiana				19.00	19.00	
Missouri				15.00	15.00	
Tennessee				19.90	19.90	15.00-20.00
Average	10.00	10.00		17.08	17.08	11.00-30.00
Spread						

**MAGNOLIA**

Alabama				\$16.59	\$16.50	\$16.00-\$20.18
Florida				22.44	22.44	
Georgia				21.00	21.00	
Louisiana	\$5.00			29.03	29.03	
Mississippi	5.00			10.20	10.20	13.74-19.24
New York				40.00	40.00	
Pennsylvania				13.00	13.00	
South Carolina				28.00	28.00	
Tennessee				20.31	20.31	24.00-27.00
Texas	4.20					
Average	4.53		\$4.20-\$5.00	21.26	21.26	13.00-40.00
Spread						

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TABLE 6.—*Prices of hardwood stumpage and logs, individual sales, by species and States—Continued*

## PERSIMMON

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Arkansas.....				\$69.44	\$69.44	\$50.00-\$85.00
Florida.....				20.60	20.60	
Tennessee.....				47.20		40.00- 65.00
Average.....				52.14	64.60	
Spread.....						20.00- 85.00

## BUCKEYE

Tennessee.....				\$21.00	\$21.00	
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## ALL SPECIES

Alabama.....	\$4.90	\$5.48	\$2.00-\$10.00	\$21.90	\$23.68	\$12.00-\$45.00
Arkansas.....	5.50	6.23	35- 25.00	21.81	17.97	6.50-125.00
Connecticut.....	4.78	4.84	4.00- 7.00	25.00	25.00	
Delaware.....				30.00	30.00	
Florida.....	2.73		2.63- 3.00	1.05	21.48	15.00- 33.07
Georgia.....	4.82	2.59	2.00- 5.00	23.68	24.57	13.00- 35.00
Illinois.....	103.10	4.83	3.00-120.00	134.32	12.50-185.81	
Indiana.....	18.35	15.73	4.50-125.00	58.06	38.04	12.00-350.00
Iowa.....	112.00			30.96	30.96	25.00- 31.00
Kansas.....	30.89		4.00-115.00			
Kentucky.....	6.70		4.00-12.00	50.50	56.48	10.00-200.00
Louisiana.....	3.58	6.10	1.00-12.50	17.83	18.49	5.25- 34.58
Maine.....	7.85	7.94	3.75-10.00	21.43	18.01	15.00- 80.00
Maryland.....	5.45	5.25	1.00-12.50			
Massachusetts.....	7.98	7.88	6.00-15.00	22.58	17.73	15.00- 55.00
Michigan.....	10.33	15.39	2.00- 35.00	27.73	26.83	10.00-170.00
Minnesota.....	1.46	1.43	1.00- 8.50	15.07	12.45	9.00- 39.00
Mississippi.....	6.08	3.95	1.00-15.00	21.79	18.98	9.25- 56.00
Missouri.....	7.04	6.59	3.00-120.00	89.10	19.57	6.00-303.29
New Hampshire.....	4.99	4.99	3.00-15.00	23.77	24.00	12.00- 35.00
New Jersey.....	13.80	11.00	10.00-21.00	44.00	42.50	42.50- 50.00
New York.....	5.93	7.42	2.00-20.00	31.48	31.03	9.00-160.00
North Carolina.....	4.12	2.97	2.50-10.00	57.38	41.63	14.00- 57.50
Ohio.....	13.01	8.24	2.00-60.00	77.12	51.51	10.00-130.00
Oklahoma.....	3.00		2.50- 4.50	50.00	50.00	
Oregon.....				17.34	17.24	10.78- 22.15
Pennsylvania.....	8.68	7.95	2.00-30.00	30.94	24.21	11.00-150.00
Rhode Island.....	4.00	4.00				
South Carolina.....	3.58		2.00-14.00	24.82	25.20	7.50- 70.00
Tennessee.....	8.03	6.72	2.00-20.00	33.05	26.94	6.50-107.00
Texas.....	3.66	3.57	1.00- 5.00	15.41	15.41	12.00- 17.14
Vermont.....	18.10	21.47	8.00-35.00	23.98	22.15	10.00- 45.00
Virginia.....	5.16	4.89	3.00-12.00	30.19	27.15	10.00-454.44
Washington.....	1.74	2.00	1.33- 2.80	19.43	16.00	5.00- 45.00
West Virginia.....	6.48	2.95	2.00-12.60	34.91	17.62	15.44-180.00
Wisconsin.....	6.19	15.00	4.50-15.00	32.80	28.51	10.00- 90.00
Average.....	7.09	8.57		32.86	27.20	
Spread.....			.35-125.00			8.00-454.44

<sup>1</sup> Relatively large sales of the more valuable species throw State averages out of line.<sup>2</sup> Large sales of the more valuable logs throw State averages out of line.

**STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 31**

**TABLE 7.—Prices of hardwood stumppage and logs, flat-rate sales, by States**

State	Stumppage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama.....	\$6.81		\$5.00-\$7.00	\$21.57	\$21.57	\$15.00-\$35.00
Arkansas.....	2.92	\$2.51	1.75- 5.75	12.35	10.23	10.00- 20.00
Connecticut.....	5.30	5.30	4.50- 6.00	24.71		
Georgia.....				10.41	14.00	14.00- 17.25
Illinois.....	3.32	4.00	2.00- 4.00	25.00	23.00	
Indiana.....	19.54	10.60	5.00-20.00	29.77	29.77	20.00- 30.00
Iowa.....				15.00	15.00	
Kansas.....	7.50					
Kentucky.....	4.98	4.35	3.00-11.34	20.00	20.00	
Louisiana.....	7.06	8.80	1.00-10.00	17.68	17.68	17.50- 18.00
Maine.....	3.34	3.34	2.50-10.00			
Maryland.....	4.44	5.00	4.00- 5.00			
Massachusetts.....	10.00	10.00		18.00		
Michigan.....	8.47	5.00	5.00-10.00	19.36		16.00- 21.00
Mississippi.....	5.98	3.00	1.30-14.05	17.83	18.27	15.50- 29.81
Missouri.....				22.22	22.23	4.50- 22.48
New Hampshire.....	4.00	4.00		21.65	21.05	10.00- 30.00
New Jersey.....	8.29		0.00-10.00			
New York.....	8.70	4.09	2.00-10.00	34.50	20.95	10.00- 44.50
North Carolina.....	8.00			20.00	20.00	
Ohio.....	4.97	4.35	2.00-15.00			
Oklahoma.....	2.92		2.72- 3.15			
Pennsylvania.....	6.68	4.28	2.00-10.00	12.00	12.00	
South Carolina.....	3.02	3.50	1.00- 3.50	13.50	13.50	
Tennessee.....	7.58	7.31	3.50-14.00	28.60	21.52	11.44- 36.70
Texas.....	6.70		4.00-17.00	9.75	6.30	6.30- 14.00
Vermont.....	5.11	4.53	2.00- 8.00	20.85	20.83	13.00- 30.00
Virginia.....	12.29		10.00-14.00			
West Virginia.....	3.89	3.04	2.22- 6.00			
Wisconsin.....	6.57	8.07	3.00-15.00	26.64	26.64	15.00- 35.00
Average.....	6.00	8.31		18.02	17.57	
Spread.....			1.00-20.00			4.50- 44.50

**TABLE 8.—Prices of hardwood stumppage and logs, all sales, by States**

State	Stumppage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama.....	\$6.43	\$5.48	\$2.00-\$10.00	\$21.84	\$23.03	\$12.00-\$45.00
Arkansas.....	4.72	4.83	3.5- 25.00	18.80	15.11	6.50-125.00
Connecticut.....	5.20	5.23	4.00- 7.00	24.73	25.00	24.71- 25.00
Delaware.....				30.00	30.00	
Florida.....	2.73		2.03- 3.00	21.05	21.48	15.00- 33.07
Georgia.....	4.82	2.59	2.00- 5.00	22.87	24.13	13.00- 35.00
Illinois.....	148.03	4.47	2.00-120.00	158.98	93.57	12.50-135.81
Indiana.....	18.00	16.60	4.50-125.00	155.78	37.23	12.00-350.00
Iowa.....	112.00			25.71	25.71	15.00- 31.00
Kansas.....	25.53		4.00-115.00			
Kentucky.....	5.65	4.35	3.00-12.00	20.59	55.85	10.00-200.00
Louisiana.....	4.83	3.90	1.00-12.50	17.82	18.46	5.25- 34.50
Maine.....	4.55	4.54	2.50-10.00	21.43	18.01	15.00- 30.00
Maryland.....	5.40	5.24	1.00-12.50			
Massachusetts.....	9.12	9.12	6.00-15.00	22.48	17.73	15.00- 55.00
Michigan.....	10.33	15.34	2.00-35.00	27.44	25.83	10.00-170.00
Minnesota.....	1.48	1.43	1.00- 8.50	15.07	13.45	9.00- 30.00
Mississippi.....	6.23	3.73	1.00-15.00	20.42	18.68	9.25- 85.00
Missouri.....	7.94	6.59	5.00-12.00	76.89	20.92	4.50-303.29
New Hampshire.....	4.55	4.55	3.00-15.00	23.37	23.50	10.00- 35.00
New Jersey.....	12.15	11.03	6.00-20.00	44.00	42.50	42.50- 50.00
New York.....	6.23	4.78	2.00-20.00	32.50	31.33	9.00-150.00
North Carolina.....	4.18	2.97	2.50-10.00	137.34	41.52	14.00- 57.50
Ohio.....	10.78	8.02	2.00- 00.00	177.12	51.51	10.00-130.00
Oklahoma.....	3.03		2.50- 4.50	150.00	50.00	

<sup>1</sup> Relatively large sales of the more valuable species throw State averages out of line.

<sup>2</sup> Large sales of the more valuable logs throw State averages out of line.

TABLE 8.—*Prices of hardwood stumpage and logs, all sales, by States—Cont.*

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Oregon.....				17.34	17.34	16.70-22.15
Pennsylvania.....	7.86	7.03	2.00-30.00	28.78	23.13	11.00-150.00
Rhode Island.....	4.00	4.00				
South Carolina.....	3.07	3.50	1.00-14.00	24.54	25.09	7.50-70.00
Tennessee.....	8.61	0.94	2.00-20.00	32.10	28.73	8.50-107.00
Texas.....	5.15	3.57	1.00-17.00	12.24	11.64	6.30-17.14
Vermont.....	6.02	16.17	2.00-35.00	23.28	21.74	10.00-45.00
Virginia.....	6.17	4.89	5.00-14.00	30.19	27.15	10.00-464.44
Washington.....	1.74	2.00	1.33-2.85	19.43	15.00	5.00-45.00
West Virginia.....	3.49	3.91	2.00-12.50	34.91	17.02	15.44-180.00
Wisconsin.....	6.28	8.83	3.00-16.00	32.05	28.45	10.00-90.00
Average.....	7.20	8.45		30.82	25.00	
Spread.....			.35-125.00			4.60-464.44

TABLE 9.—*Prices of mixed hardwood and softwood stumpage and logs, flat-rate sales, by States*

State	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		Price range, all sales
	All sales	Second growth		All sales	Lumber logs	
Alabama.....	\$4.43	\$3.58	\$1.00-\$8.50	\$23.20	\$23.62	\$12.00-\$24.17
Arkansas.....	5.00	4.78	1.18-11.32	14.07	14.07	11.00-10.00
Connecticut.....	4.01	4.01	3.50-4.50			
Florida.....	3.50			15.70	16.00	15.00-16.00
Georgia.....	5.82	2.45	1.20-7.00	25.08	26.66	14.00-36.00
Kentucky.....	7.78		0.25-10.00			
Louisiana.....	7.55	2.60	2.00-9.40	10.82	10.82	6.41-20.00
Maine.....	6.57	8.00	5.00-8.00	15.33	15.33	15.00-20.00
Maryland.....	5.43			12.00	12.00	
Massachusetts.....	5.03	6.28	2.60-14.30	14.78		14.00-18.00
Michigan.....	7.00		5.13-14.90			
Minnesota.....	7.19	14.70	4.00-14.70			
Mississippi.....	5.45	5.47	2.00-10.00	15.32	14.49	13.50-20.00
New Hampshire.....	4.87	4.80	3.00-8.00	16.45	18.00	15.00-18.00
New York.....	3.21	4.85	1.75-11.00	40.00		
North Carolina.....	3.88	6.90	2.10-7.00	20.68	20.68	14.50-22.00
Pennsylvania.....	6.89	6.80	2.50-11.00	14.28	14.28	12.90-20.00
South Carolina.....	8.48	3.12	2.00-9.25			
Tennessee.....	5.10	5.05	2.00-10.44	27.24	27.24	16.00-28.00
Texas.....	6.60	3.31	3.00-6.04	16.73	16.73	11.00-18.11
Vermont.....	4.83	4.18	2.00-10.00	17.03	17.03	15.00-20.00
Virginia.....	7.39	5.57	2.50-18.00			
West Virginia.....	6.88	3.00	2.25-8.00	16.00	16.00	
Wisconsin.....	6.64		3.40-8.00			
Average.....	6.47	5.01	1.00-18.00	20.34	20.62	
Spread.....						6.41-40.30

TABLE 10.—*Prices, stumpage; softwoods, hardwoods, and mixed, by States and type of sale*

State	Individual sales				Flat-rate sales				Total sales				Price range, all sales					
	Softwood		Hardwood		Softwood		Hardwood		Mixed		Softwoods		Hardwoods		Aggregate			
	All sales	Second growth	All sales	Second growth	All sales	Second growth	All sales	Second growth	All sales	Second growth	All sales	Second growth	All sales	Second growth	All sales	Second growth		
Alabama	\$2.91	\$2.52	\$4.90	\$5.48	\$4.05	\$4.05	\$6.81		\$4.43	\$3.58	\$3.07	\$2.79	\$5.43	\$5.48	\$3.44	\$2.82	\$1.00-\$12.50	
Arkansas	4.26	4.02	5.50	5.23	2.99	2.99	2.92	\$2.51	5.06	4.78	4.22	3.94	4.72	4.33	4.66	4.69	.35-.25.80	
California	2.54	1.00			2.41						2.47	1.00			2.47	1.00	.25-.60	
Connecticut	4.86	4.86	4.70	4.84			5.36	5.36	4.01	4.01	4.86	4.86	5.20	5.23	4.92	4.93	3.50-7.00	
Florida	8.27	6.93	2.73		6.68	1.76			3.50		7.82	6.93	2.73		7.63	2.78	1.50-22.00	
Georgia	3.76	3.88	4.82	2.59	2.80	2.70			5.82	2.45	3.55	3.60	4.82	2.59	4.34	3.58	1.25-12.00	
Idaho	4.30	4.97			1.49	1.07					3.22	3.14			3.22	3.14	.38-.8.00	
Illinois <sup>1</sup>			63.10	4.83			3.32	4.00					48.08	4.57	48.08	4.57	2.00-120.00	
Indiana <sup>1</sup>			18.35	15.73			19.54	19.60					18.90	18.60	18.90	18.60	4.50-125.00	
Iowa <sup>1</sup>			112.00										12.00		12.00			
Kansas			30.59				7.50											
Kentucky	3.21		6.70				4.98	4.35	7.76		3.21				25.53		4.00-115.00	
Louisiana	6.73	3.69	3.59	6.10	4.52	3.67	7.09	3.60	7.55	2.60	6.22	3.68	4.93	3.90	5.39	4.35	2.25-12.00	
Maine	8.56	8.44	7.85	7.94	5.62	5.62	3.34	3.34	6.57	8.00	8.44	8.30	4.55	4.54	8.30	8.16	1.00-16.50	
Maryland	6.11	7.08	5.45	5.25			4.44	5.00	5.43		6.11	7.08	5.40	5.24	5.91	6.66	1.33-17.00	
Massachusetts	7.48	7.48	7.88	7.88	4.73	4.73	10.00	10.00	5.93	6.28	7.08	7.08	9.12	9.12	6.43	6.67	1.00-12.50	
Michigan	3.64	8.82	10.33	15.39			8.47	5.00	7.00		8.64	8.82	10.33	15.34	8.17	14.06	2.50-17.00	
Minnesota	4.57	5.40	1.46	1.43					7.19	14.70	4.57	5.40	1.46	1.43	3.67	4.72	1.00-35.00	
Mississippi	4.20	3.62	6.66	3.95	4.34	3.16	5.98	3.08	5.45	5.47	4.24	3.58	6.23	3.73	4.95	4.30	1.00-15.00	
Missouri	4.05	2.93	7.04	6.59							4.05	2.93	7.94	6.59	6.28	6.10	.50-120.00	
Montana	2.41						2.01	2.00				2.24	2.00			2.24	2.00	.46-.5.00
New Hampshire	7.15	7.15	4.99	4.99	4.79	4.79	4.00	4.00	4.87	4.89	6.79	6.79	4.55	4.55	5.98	6.00	2.76-15.00	
New Jersey			13.60	11.00	4.00	4.00	8.29				4.00	4.00	12.15	11.00	11.96	10.56	4.00-20.00	
New York	10.61	11.34	5.93	7.42			6.70	4.09	3.21	4.85	10.51	11.34	6.23	4.78	4.17	5.94	1.75-20.00	
North Carolina	5.41	5.80	4.12	2.97	.95	.95	8.00		3.88	5.90	5.24	5.50	4.18	2.97	5.04	5.46	.87-12.00	
Ohio	5.00	5.00	13.01	8.24					4.97	4.35			5.00	5.00	10.78	6.02	10.77	6.01
Oklahoma	2.77	2.43	3.09						2.92				2.77	2.43	3.03		2.79	2.43
Oregon	3.81	1.60				1.97	2.36					2.94	1.93			2.94	1.93	.16-.7.00
Pennsylvania	8.54	7.50	8.88	7.95			6.68	4.28	6.89	6.80	8.54	7.50	7.68	7.03	7.58	6.99	2.00-30.00	
Rhode Island	4.00	4.00	4.00	4.00							4.00	4.00	4.00	4.00	4.00	4.00		
South Carolina	5.35	5.09	3.59		5.00		3.02	3.50	8.49	3.12	5.35	5.09	3.07	3.50	7.64	4.48	1.00-15.00	
Tennessee	6.64	5.76	8.93	6.72			7.58	7.31	5.16	5.05	6.64	5.76	8.51	6.94	5.60	5.67	2.00-20.00	
Texas	4.35	3.92	3.68	3.57	6.08	5.13	6.70		6.56	3.31	4.90	4.26	5.15	3.57	5.36	4.24	.83-17.88	
Vermont	6.93	6.90	18.10	21.47	5.92	5.92	5.11	4.53	4.83	4.18	6.77	6.80	9.02	16.17	6.38	6.77	2.00-35.88	
Virginia	5.54	5.25	5.16	4.89			12.20		7.39	5.57	5.54	5.25	6.17	4.89	6.49	5.30	.50-18.88	
Washington	3.18	2.31	1.74	2.00	3.22	2.34					3.19	2.32	1.74	2.00	3.19	2.32	.20-8.88	
West Virginia	3.04		5.40	2.95			3.39	3.94	6.88	3.00	3.04		3.49	3.91	5.91	3.87	2.00-12.50	
Wisconsin	4.16		6.19	15.00	3.64	3.64	6.57	8.67	6.64		4.13	3.64	6.28	8.83	6.37	7.69	.50-16.00	
Average			3.76	3.96	7.99	8.57	2.39	2.77	6.00	8.31	6.47	5.01	3.19	3.65	7.20	8.45	3.64	
Spread																	.16-125.00	

<sup>1</sup> Average prices thrown out of line because of a few large sales of the more valuable species.

TABLE 11.—*Prices, logs; softwoods, hardwoods, and mixed, by States and type of sale*

State	Individual sales				Flat-rate sales						Total sales						Price range, all sales		
	Softwood		Hardwood		Softwood		Hardwood		Mixed		Softwoods		Hardwoods		Aggregate				
	All sales	Lumber logs	All sales	Lumber logs	All sales	Lumber logs	All sales	Lumber logs	All sales	Lumber logs	All sales	Lumber logs	All sales	Lumber logs	All sales	Lumber logs			
Alabama	\$14.21	\$14.21	\$21.90	\$23.68	\$14.00	\$14.00	\$21.57	\$21.57	\$23.29	\$23.62	\$14.20	\$14.20	\$21.94	\$23.03	\$18.80	\$18.44	\$8.00-845.00		
Arkansas	13.40	13.40	21.81	17.97	12.82	12.82	12.35	10.23	14.07	14.07	13.40	13.40	18.80	15.11	17.19	14.47	4.17-125.00		
California	16.68	16.90	—	—	—	—	—	—	—	—	15.24	15.22	—	—	15.24	15.22	6.00-40.00		
Connecticut	20.00	20.00	25.00	25.00	—	—	24.71	—	—	—	20.00	20.00	24.73	25.00	24.01	21.18	20.00-25.00		
Delaware	25.00	25.00	30.00	30.00	—	—	—	—	—	—	25.00	25.00	30.00	30.00	26.43	26.43	25.00-135.00		
Florida	12.70	14.27	21.05	21.48	17.08	21.67	—	—	15.76	16.00	14.07	18.31	21.05	21.48	17.98	19.27	4.00-100.00		
Georgia	16.85	17.52	23.68	24.57	15.98	15.98	16.41	14.00	25.63	25.66	16.65	17.09	22.87	24.13	22.29	23.03	9.20-36.00		
Illinois <sup>1</sup>	—	63.28	134.32	—	—	—	—	25.00	25.00	—	—	58.98	96.57	58.98	96.57	12.50-135.81			
Indiana <sup>1</sup>	—	58.06	33.04	—	—	—	—	29.77	29.77	—	—	55.78	37.23	55.78	37.23	12.00-350.00			
Iowa <sup>1</sup>	—	30.98	30.98	—	—	—	—	15.00	15.00	—	—	25.71	25.71	25.71	25.71	16.00-31.00			
Kentucky <sup>1</sup>	17.24	17.24	50.80	56.48	—	—	20.00	20.00	—	—	17.24	17.24	50.39	55.85	48.45	52.94	6.00-200.00		
Louisiana	18.38	18.38	17.83	18.49	10.27	10.27	17.08	17.88	10.82	10.82	16.73	16.73	17.82	18.46	16.57	16.71	5.25-34.56		
Maine	18.08	18.40	21.43	18.01	24.17	16.99	—	—	15.33	15.33	19.18	18.27	21.43	18.01	19.17	18.04	8.00-30.00		
Maryland	—	—	—	—	—	—	—	—	—	12.00	12.00	—	—	—	—	12.00	12.00	—	
Massachusetts	16.63	17.18	22.58	17.73	—	—	18.00	—	14.78	—	16.63	17.16	22.48	17.73	16.95	17.24	5.00-55.00		
Michigan	19.57	20.80	27.73	25.83	—	—	19.36	—	—	—	19.57	20.80	27.44	25.83	25.59	25.27	5.00-170.00		
Minnesota	22.49	22.12	15.07	13.45	—	—	—	—	—	—	22.49	22.12	15.07	13.45	21.57	21.57	9.00-50.00		
Mississippi	15.19	15.20	21.79	18.06	18.55	18.55	17.83	18.27	15.32	14.49	15.64	15.65	20.42	18.68	17.58	16.40	7.00-85.00		
Missouri	16.27	18.27	90.19	19.57	—	—	22.22	22.28	—	—	16.27	16.27	76.89	20.62	75.62	20.44	4.50-303.29		
New Hampshire	16.54	16.03	23.77	24.00	—	—	21.65	21.65	16.45	18.00	16.54	16.03	23.37	23.50	17.77	18.40	10.00-35.00		
New Jersey	—	44.00	42.50	—	—	—	—	—	—	—	—	—	44.00	42.50	44.00	42.50	42.50-50.00		
New York	23.29	22.97	31.48	31.93	11.37	11.37	34.56	29.95	40.00	—	21.69	21.37	32.59	31.33	31.02	29.33	9.00-150.00		
North Carolina	17.16	17.10	37.39	41.63	—	—	20.00	20.00	20.68	20.68	17.16	17.19	41.52	25.88	24.97	24.97	9.00-57.50		
Ohio <sup>1</sup>	—	—	77.12	51.51	—	—	—	—	—	—	—	—	77.12	51.51	77.12	51.51	10.00-130.00		
Oklahoma	21.79	21.79	50.00	50.00	—	—	—	—	—	—	21.79	21.79	50.00	50.00	28.59	28.59	4.82-50.00		
Oregon	14.91	15.00	17.34	17.34	12.40	12.40	—	—	—	—	14.85	14.93	17.34	17.34	14.86	14.94	3.00-54.94		
Pennsylvania	23.30	23.30	30.94	24.21	—	—	12.00	12.00	14.28	14.28	23.30	23.30	29.76	23.13	25.35	20.20	11.00-150.00		
South Carolina	17.83	17.83	24.62	25.20	9.42	9.42	13.50	13.50	—	—	17.19	17.19	24.64	25.09	19.93	19.82	5.00-70.00		
Tennessee	36.22	36.22	33.05	29.94	—	—	28.60	21.52	27.24	27.24	36.22	36.22	32.10	28.73	31.02	28.75	6.50-107.00		
Texas	14.69	14.75	15.41	15.41	6.94	6.94	9.75	6.30	16.73	16.73	13.87	13.85	12.24	11.64	13.92	13.90	5.00-30.00		
Vermont	17.90	17.64	23.08	22.15	16.15	16.15	20.85	20.83	17.63	17.63	17.89	17.66	23.28	21.74	20.02	19.00	10.00-45.00		
Virginia	19.89	18.23	30.19	27.15	—	—	—	—	—	—	19.89	18.23	30.19	27.15	23.86	23.73	6.00-454.44		
Washington	15.93	15.82	19.43	15.00	—	—	12.86	12.88	—	—	15.86	15.73	19.43	15.00	15.86	15.76	3.50-45.00		
West Virginia	45.89	34.75	34.01	17.62	—	—	—	—	—	—	45.89	13.75	34.91	17.62	35.09	17.49	12.00-180.00		
Wisconsin	18.30	18.75	32.80	28.51	—	—	—	—	26.64	26.64	16.00	16.00	18.30	18.75	32.65	28.45	25.92	25.92	10.00-90.00
Average Spread	15.74	15.67	32.36	27.20	13.01	13.00	18.92	17.57	20.34	20.62	15.66	15.59	30.62	25.96	17.08	16.37	8.00-454.44		

<sup>1</sup> Average prices thrown out of line because of large sales of valuable logs.

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 35

TABLE 12.—*Stumpage and log prices, by regions, species, and type of sale*

REGION 0—NORTHEASTERN

Type of sale and species	Stumpage			Logs	
	Price per thousand		Price range, all sales	Price per thousand	
	All sales	Second growth		All sales	Lumber logs
Individual softwoods:					
Norway pine.....	\$7.45	\$7.45	\$4.00-\$7.50	\$15.00	
Northern white pine.....	7.88	7.87	2.70-17.00	17.45	\$17.79
Pitch pine.....	5.00	5.00			
Eastern spruce.....	8.78	8.07	1.33-12.00	18.52	18.61
Eastern hemlock.....	6.12	6.34	2.00-15.00	18.10	18.25
Balsam fir.....	7.88	7.88	7.00- 9.00	17.03	17.03
Northern white cedar.....	8.76	8.59	7.00-11.38	18.28	17.93
Average and spread.....	8.13	7.99	1.33-17.00	17.91	18.16
Flat-rate softwoods.....	5.10	5.10	3.00-14.00	21.82	14.94
Average and spread, all softwoods.....	7.90	7.73	1.33-17.00	18.18	18.02
Individual hardwoods:					
Oak <sup>1</sup> .....	7.36	7.36	5.00-10.00	24.98	24.94
Red oak.....	8.15	8.19	6.00-17.00	20.88	19.23
White oak.....	4.87	4.98	4.00-10.00	38.27	22.94
Soft maple.....	18.33	19.33	6.00-20.00	18.00	18.00
Hard maple.....	9.00	9.00		21.93	22.62
Maple <sup>1</sup> .....	6.41	7.05	5.00-20.00	26.65	27.23
Elm <sup>1</sup> .....	14.12	14.12	4.00-20.00	29.55	20.23
Ash <sup>1</sup> .....	23.71	31.01	3.00-35.00	30.30	30.75
Black walnut.....				150.00	
Butternut.....				32.00	32.00
Aspen.....	3.75	3.75		13.66	13.55
Yellow poplar.....				80.00	
Yellow birch.....	8.00	8.00		19.78	20.00
Birch <sup>1</sup> .....	0.33	4.48	3.00- 8.00	28.74	29.62
Hickory.....				15.00	16.00
Cherry.....	7.10	5.27	5.00-20.00	32.29	30.84
Basswood.....	6.68	7.61	3.00-10.00	27.07	23.92
Chestnut.....	5.95	6.00	4.00- 8.00	47.31	20.40
Beech.....	4.33	4.18	2.00-10.00	25.93	27.38
Magnolia.....				40.00	40.00
Average and spread.....	6.69	9.37	2.00-35.00	27.80	27.85
Flat-rate hardwoods.....	5.82	4.40	2.00-10.00	30.89	26.88
Average and spread, all hardwoods.....	6.28	6.06	2.00-35.00	28.71	27.61
Flat-rate mixed.....	3.96	5.13	1.75-20.00	16.45	16.73
Regional average and spread.....	6.08	6.92	1.33-35.00	22.55	21.72

REGION 1—NORTH ATLANTIC

Individual softwoods:						
Northern white pine.....	\$12.21	\$9.89	\$6.00-\$20.00	\$25.00	\$25.00	\$20.00-\$35.00
Shortleaf pine.....	6.11	7.08	3.50- 10.00	25.00	25.00	
Eastern spruce.....	8.00	6.00				
Eastern hemlock.....	6.12	6.69	2.00- 15.00	22.57	22.57	14.00- 30.00
Average and spread.....	6.73	7.14	2.00- 20.00	23.60	23.60	14.00- 35.00
Flat-rate softwoods.....	4.00	4.00				
Average and spread, all softwoods.....	6.72	7.13	2.00- 20.00	23.60	23.60	14.00- 35.00
Individual hardwoods:						
Oak <sup>1</sup> .....	8.73	7.04	3.50- 20.00	34.67	36.67	12.25- 50.00
Red oak.....	7.28	6.14	4.00- 15.00	20.79	20.84	18.00- 40.00
White oak.....	9.61	9.13	4.50- 17.00	27.43	27.43	21.00- 30.00
Soft maple.....	8.00			20.00	20.00	
Hard maple.....	8.85	9.42	4.00- 10.00	20.00	20.00	
Maple <sup>1</sup> .....	8.60	12.23	2.00- 25.00	24.14	23.28	
Elm <sup>1</sup> .....				30.00	30.00	
Ash <sup>1</sup> .....	19.79	23.75	4.00- 30.00	39.94	38.06	20.00- 50.00
Black walnut.....				92.67	58.20	30.00-150.00
Butternut.....	4.00	4.00				

<sup>1</sup> Species not reported.

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TABLE 12.—*Stumpage and log prices, by regions, species, and type of sale—Continued*  
REGION 1—NORTH ATLANTIC—Continued

Type of sale and species	Stumpage			Logs	
	Price per thousand		Price range, all sales	Price per thousand	Price range, all sales
	All sales	Second growth		All sales	Lumber logs
<b>Individual hardwoods—Continued.</b>					
Red gum.....	\$4.65	\$4.41	\$4.00- \$6.25		
Yellow poplar.....	7.71	8.69	4.00- 20.00	\$10.92	\$45.00- \$52.00
Birch <sup>1</sup> .....	6.70	4.26	4.00- 10.00	20.00	20.00
Hickory.....	3.57	4.00	3.50- 4.00		
Cherry.....	4.00	4.00		25.00	25.00
Basswood.....	8.64	8.64	4.00- 12.00	25.38	25.38
Chestnut.....	4.18	5.19	1.00- 7.00	15.80	13.10
Beech.....	4.85	4.54	2.00- 10.00	21.15	21.15
Magnolia.....				13.00	13.00
Average and spread.....	8.11	7.35	1.00- 20.00	31.92	25.86
Flat-rate hardwoods.....	8.67	4.31	2.00- 20.00	12.00	12.00
Average and spread, all hardwoods.....	7.46	6.74	1.00- 20.00	30.73	24.74
Flat-rate mixed.....	8.86	6.80	2.50- 11.00	13.46	14.28
Regional average and spread.....	7.17	6.89	1.00- 20.00	24.64	21.42

## REGION 2—LAKE

Individual softwoods:					
Norway pine.....	\$6.00	\$5.84	\$5.00- \$10.00	\$24.67	\$24.67
Jack pine.....	2.55	4.25	2.00- 5.00	18.98	18.98
Northern white pine.....	8.41	15.61	2.05- 17.00	27.90	27.88
Tamarack.....	2.39	2.14	2.00- 6.00	22.21	17.41
Eastern spruce.....	3.03		2.00- 10.00	24.55	19.83
Eastern hemlock.....	2.80	6.19	.50- 8.80	18.04	17.51
Balsam fir.....	2.94	2.33	2.00- 5.00	16.19	14.94
Northern white cedar.....	1.97	1.61	1.00- 4.00	14.45	12.10
Average and spread.....	3.95	8.66	.50- 17.00	19.20	19.98
Flat-rate softwoods.....	3.64	3.64			
Average and spread, all softwoods.....	3.04	8.23	.50- 17.00	19.20	19.98
<b>Individual hardwoods:</b>					
Oak <sup>1</sup> .....	15.23	20.00	9.00- 20.00	38.42	32.17
Red oak.....	11.20	11.21	10.00- 12.00	54.75	29.42
White oak.....				59.40	38.10
Soft maple.....	3.47	2.00	2.00- 7.00	26.03	22.83
Hard maple.....				28.40	24.65
Maple <sup>1</sup> .....	10.23	15.05	4.00- 20.00	25.87	14.80
Elm <sup>1</sup> .....	10.36	10.05	5.00- 18.75	27.95	27.02
Rock elm.....				25.65	25.65
Ash.....	8.13	35.00	5.00- 35.00	28.31	24.55
Butternut.....	23.00			33.20	30.75
Sycamore.....	15.90				
Aspen.....	1.44	1.43	1.00- 12.00	15.51	14.12
Cottonwood.....				20.00	20.00
Yellow poplar.....				65.00	65.00
Birch <sup>1</sup> .....	8.65	12.00	4.00- 23.00	34.38	29.68
Hickory.....	15.00	10.00	10.00- 20.00	15.00	15.00
Cherry.....	14.26	12.00	12.00- 18.75	25.02	23.87
Basswood.....	8.49	11.05	4.00- 20.00	32.96	27.95
Beech.....	7.37	10.00	4.00- 15.00	25.52	26.19
Average and spread.....	9.30	14.09	1.00- 35.00	29.22	29.82
Flat-rate hardwoods.....	6.69	8.47	3.00- 16.00	21.14	26.64
Average and spread, all hardwoods.....	9.29	14.48	1.00- 35.00	28.96	29.87
Flat-rate mixed.....	6.76	14.71	3.46- 14.96	16.00	16.00
Regional average and spread.....	7.22	13.24	.50- 35.00	25.57	20.66

<sup>1</sup> Species not reported.

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 37

TABLE 12.—*Stumpage and log prices, by regions, species, and type of sale.*—Continued

REGION 3—CENTRAL

Type of sale and species	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		
	All sales	Second growth		All sales	Lumber logs	
<b>Individual softwoods:</b>						
Northern white pine.....	\$4.84	\$4.01	\$1.00- \$7.03	\$13.53	\$13.53	\$12.00- \$25.00
Shortleaf pine.....	3.00	—	—	13.04	13.04	6.00- 26.49
Eastern spruce.....	3.21	5.00	2.00- 5.00	15.41	15.41	—
Eastern hemlock.....	3.00	—	3.00- 8.00	13.83	13.83	13.76- 18.00
Cypress.....	10.88	6.56	8.50- 15.00	15.02	15.02	14.12- 30.00
Eastern red cedar.....	—	—	—	44.96	44.96	27.00- 72.50
Average and spread.....	4.20	5.25	1.00- 15.00	31.57	30.84	6.00- 72.50
<b>Individual hardwoods:</b>						
Oak <sup>1</sup> .....	11.21	9.74	1.00- 30.00	22.62	22.66	8.00- 50.00
Red oak.....	9.42	9.08	1.00- 30.00	34.37	34.15	12.50- 55.00
White oak.....	13.70	12.61	1.00- 40.00	40.91	37.58	5.00- 78.00
Willow.....	—	—	—	20.00	20.00	—
Soft maple.....	16.01	8.42	4.00- 20.00	23.33	23.33	16.00- 35.00
Hard maple.....	20.68	17.30	5.00- 30.00	38.55	39.51	18.00- 45.00
Maple <sup>1</sup> .....	14.28	9.01	4.00- 25.00	32.80	32.88	8.00- 70.00
Elm <sup>1</sup> .....	14.74	12.00	4.00- 20.00	28.55	29.29	6.00- 45.95
Ash.....	27.98	25.19	6.00- 40.00	41.09	40.31	8.00- 64.50
Black walnut.....	104.60	47.46	10.00-125.00	133.24	106.21	20.00-350.00
Buckthorn.....	—	—	—	25.07	25.97	18.00- 35.00
Red gum.....	4.86	7.85	3.00- 20.00	25.73	25.11	6.00- 50.00
Tupelo gum.....	—	—	—	26.14	24.59	18.00- 36.56
Black gum.....	—	—	—	10.66	10.66	18.00- 22.00
Sycamore.....	7.34	7.98	2.50- 10.00	23.87	21.81	8.00- 35.00
Cottonwood.....	6.64	6.71	4.00- 15.00	20.54	20.54	6.00- 30.00
Yellow poplar.....	18.71	13.64	2.00- 40.00	42.96	35.14	14.00- 69.11
Birch <sup>1</sup> .....	—	—	—	18.07	18.07	12.00- 30.00
Hickory.....	10.45	9.30	4.00- 25.00	34.91	27.18	8.00- 45.00
Cherry.....	20.03	16.00	10.00- 25.00	37.80	37.88	25.00- 50.00
Basswood.....	16.90	16.89	5.00- 30.00	30.64	30.75	18.00- 55.00
Chestnut.....	4.40	2.89	2.00- 10.00	18.93	19.21	15.00- 39.00
Beech.....	7.04	6.28	2.00- 18.00	21.50	17.55	16.00- 30.00
Hackberry.....	10.00	10.00	—	20.00	20.00	15.00- 30.00
Magnolia.....	—	—	—	26.31	26.31	24.00- 27.00
Persimmon.....	—	—	—	47.20	—	—
Buckeye.....	—	—	—	21.00	21.00	—
Average and spread.....	13.87	10.47	.50-125.00	55.16	37.08	8.00-350.00
Flat-rate hardwoods.....	6.02	13.61	2.00- 20.00	25.05	23.00	4.50- 36.70
Average and spread all hardwoods.....	8.77	12.51	.50-125.00	51.80	35.61	4.50-350.00
Flat-rate mixed.....	6.36	4.90	2.00- 12.50	27.24	27.24	16.00- 28.00
Regional average and spread.....	7.07	11.71	.50-125.00	48.21	33.84	4.50-350.00

REGION 4—NORTH CAROLINA PINE

Individual softwoods:	Stumpage			Logs		
	All sales	Second growth	Price range, all sales	All sales	Lumber logs	
Northern white pine.....	\$4.23	\$4.00	\$1.00-5.00	—	—	—
Longleaf pine.....	4.86	5.00	3.83-15.00	\$15.91	\$15.91	\$14.00- \$16.00
Shortleaf pine.....	5.30	5.58	1.25-12.00	17.00	17.08	5.00- 23.00
Eastern hemlock.....	—	—	—	10.41	—	—
Cypress.....	6.82	3.45	2.70- 9.50	23.37	21.37	18.88- 35.00
Eastern red cedar.....	—	—	—	44.00	44.00	—
Average and spread.....	5.43	5.57	1.25-15.00	17.71	17.55	5.00- 44.00
Flat-rate softwoods <sup>2</sup> .....	1.02	.05	.87- 5.00	9.42	9.42	8.00- 15.00
Average and spread, all softwoods.....	5.31	5.39	.87-15.00	17.43	17.27	5.00- 44.00
<b>Individual hardwoods:</b>						
Oak <sup>1</sup> .....	5.63	5.30	2.00-12.00	13.73	12.90	8.00- 45.00
Red oak.....	5.34	5.61	4.00- 6.00	28.08	18.89	7.50- 36.50
White oak.....	5.52	5.38	3.00-11.00	29.41	22.51	11.00- 50.00
Soft maple.....	2.00	—	—	—	—	—
Maple <sup>1</sup> .....	10.00	—	—	26.45	26.45	24.00- 29.85
Elm <sup>1</sup> .....	—	—	—	20.89	20.89	14.53- 22.00
Ash.....	5.21	—	3.00- 8.00	31.13	31.13	14.53- 38.00
Black walnut.....	—	—	—	232.03	30.78	30.00-454.44

<sup>1</sup> Species not reported.

<sup>2</sup> Southern pine only.

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TABLE 12.—*Stumpage and log prices, by regions, species, and type of sale.*—Continued  
REGION 4—NORTH CAROLINA PINE—Continued

Type of sale and species	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		
	All sales	Second growth		All sales	Lumber logs	
<b>Individual hardwoods—Continued.</b>						
Red gum	\$3.94	\$2.54	\$1.50–7.00	\$23.66	\$24.68	\$10.00–40.00
Tupelo gum	3.91	2.87	2.00–4.00	21.10	18.07	16.07–21.00
Sycamore				23.21	23.21	22.00–24.00
Cottonwood				22.58	22.58	13.28–28.20
Yellow poplar	4.38	4.38	2.00–7.00	39.65	43.89	16.00–57.50
Birch	.59					
Hickory	4.50	5.00	2.00–5.00	42.23	42.23	
Cherry	8.00					
Basswood	4.60					
Chestnut	4.56	5.00	1.50–5.00	32.37	33.18	10.00–35.00
Beech	3.67	3.67	3.00–5.00			
Magnolia				28.90	28.90	
Average and spread	4.26	4.22	.50–14.00	31.86	32.41	7.50–45.44
Flat-rate hardwoods	4.35	3.60	1.00–14.00	16.80	15.80	13.50–20.00
Average and spread, all hardwoods	4.28	3.97	.80–14.00	31.80	32.31	7.50–45.44
Flat-rate mixed	8.14	4.67	2.00–18.00	20.68	20.68	14.50–22.00
Regional average and spread	6.38	5.25	.30–18.00	23.60	22.68	5.00–45.44

## REGION 5—SOUTHERN PINE

Individual softwoods:						
Longleaf pine	\$7.14	\$1.20	\$1.50–\$22.00	\$17.14	\$18.84	\$4.00–\$100.00
Shortleaf pine	3.70	3.38	.85–12.00	13.97	13.98	4.17–21.00
Cypress	0.83	7.82	1.60–20.00	19.64	19.68	11.00–30.00
Eastern red cedar	12.12	12.12	11.58–12.50	34.49	34.49	10.00–40.00
Average and spread	4.51	3.84	.83–22.00	14.93	15.04	4.00–100.00
Flat-rate softwoods <sup>1</sup>	5.13	3.84	1.00–12.00	14.78	16.14	5.14–22.82
Average and spread, all softwoods	4.64	3.52	.83–22.00	14.91	15.05	4.00–100.00
<b>Individual hardwoods:</b>						
Oak <sup>2</sup> :	3.57	6.68	.60–26.00	18.84	18.78	10.00–30.00
Red oak	5.54	5.50	2.00–12.00	18.82	18.52	10.00–40.00
White oak	5.70	6.41	1.60–18.75	19.91	17.65	5.25–50.00
Willow	5.00	5.00		18.26	18.29	11.93–24.30
Soft maple				22.52	22.52	
Maple <sup>1</sup>	5.45		5.00–10.00	17.59	17.59	10.67–30.00
Elm <sup>1</sup>	11.70	14.13	1.00–22.00	24.98	18.00	10.50–38.00
Ash	12.07	12.33	3.00–25.00	32.72	27.68	12.00–50.00
Black walnut	10.58	5.00	5.00–15.00	118.89	51.79	41.25–125.00
Red gum	4.27	3.98	.35–22.00	20.09	20.26	5.25–35.00
Tupelo gum	3.12	3.09	1.00–5.00	17.31	14.22	9.25–29.00
Black gum	4.55		1.00–10.00	16.43	15.93	9.25–22.00
Sycamore	4.00		1.00–10.00	16.07	16.07	11.00–24.00
Locust				19.50	19.50	15.00–24.00
Cottonwood	5.15	5.68	3.00–10.00	19.45	18.87	11.00–25.00
Yellow poplar	0.62	4.07	2.00–10.00	24.92	24.51	13.75–35.00
Birch <sup>1</sup>				15.00	15.00	
Pecan	1.00			13.04	13.04	13.00–18.00
Hickory	5.96	6.00	3.00–12.00	20.94	27.23	12.00–39.00
Cherry	10.00			33.07	33.07	
Basswood	3.76		3.00–7.00	19.83	19.03	18.25–21.56
Beech				18.10	18.10	15.00–23.94
Huckleberry				14.42	14.42	11.00–22.76
Magnolia	4.53		4.20–5.00	21.13	21.13	13.74–29.03
Persimmon				64.50	64.50	20.00–85.00
Average and spread	4.32	5.17	.35–25.00	21.19	30.00	5.25–125.00
Flat-rate hardwoods	6.00	3.68	1.30–17.68	15.02	14.18	0.30–35.00
Average and spread, all hardwoods	4.94	4.22	.35–25.00	19.74	18.51	5.25–125.00
Flat-rate mixed	6.33	4.81	1.00–11.32	18.96	19.05	6.41–36.00
Regional average and spread	5.34	3.68	.35–25.00	17.87	17.13	4.00–125.00

<sup>1</sup> Species not reported.<sup>2</sup> Southern pine only.

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 39

TABLE 12.—*Stumpage and log prices, by regions, species, and type of sale.*—Continued  
REGION 6—PACIFIC NORTHWEST

Type of sale and species	Stumpage			Logs		
	Price per thousand		Price range, all sales	Price per thousand		
	All sales	Second growth		All sales	Lumber logs	
<b>Individual softwoods:</b>						
Western yellow pine.....	\$4.88	\$2.73	\$0.60-\$7.00	\$14.19	\$13.96	\$3.64-\$10.50
Western white pine.....	3.11	1.50	1.00-4.25	17.08	17.71	10.00-35.00
Lodgepole pine.....	1.00					
Sugar pine.....	3.33		2.50-3.50	15.94	18.94	12.00-16.00
Western larch.....	.60		.25-2.00	8.90	8.90	6.00-12.82
Engelmann spruce.....	.55	.50	.50-1.50	10.60	10.60	6.00-11.00
Sitka spruce.....	3.63	2.50	.41-5.60	16.17	18.16	10.00-30.00
Western hemlock.....	1.21	1.56	.16-3.45	10.47	10.41	4.50-14.83
Douglas fir.....	3.02	1.71	.24-5.14	10.23	10.23	3.00-30.75
White fir.....	1.09	1.50	.50-3.55	11.22	11.06	6.75-15.00
Incense cedar.....	.64		.50-1.00			
Western red cedar.....	4.01	2.50	.84-8.00	19.32	20.23	7.00-35.00
Port Orford cedar.....	5.00	5.00		38.60	38.60	21.46-54.94
Average and spread.....	3.50	1.70	.16-8.00	15.64	15.90	3.00-54.94
Flat-rate softwoods.....	2.29	2.35	.16-6.64	12.71	12.79	3.76-16.30
Average and spread, all softwoods.....	3.02	2.02	.16-8.00	15.58	15.82	3.00-54.94
<b>Individual hardwoods:</b>						
Oak <sup>1</sup> .....				45.00		
Maple <sup>1</sup> .....	2.55		1.68-2.80	21.65	22.14	15.00-22.15
Ash <sup>1</sup> .....				22.11	22.15	21.00-32.15
Cottonwood.....	1.50			11.30	10.79	6.00-10.00
Birch <sup>1</sup> .....				44.66		10.00-45.00
Alder.....	2.12	2.00	1.33-2.80	19.75	22.15	18.00-22.15
Average and spread.....	1.74	2.00	1.33-2.80	18.10	17.34	5.00-45.00
Regional average and spread.....	3.02	2.02	.16-8.00	15.58	15.82	3.00-54.94

REGION 7—PACIFIC (SOUTH)

Individual softwoods:						
Western yellow pine.....	\$2.58	\$1.00	\$1.00-\$6.00	\$14.87	\$14.82	\$6.70-\$30.00
Sugar pine.....	4.31		2.00-5.00	40.00	40.00	
Engelmann spruce.....	2.00					
Douglas fir.....	1.04		.25-2.60	18.16	18.17	6.00-18.50
White fir.....	.74		.25-2.00	10.87	10.60	10.00-30.00
Redwood.....	3.25		L.50-5.00	14.50	14.60	
Incense cedar.....	.98		.25-2.00	11.30	11.30	10.00-30.00
Average and spread.....	2.54	1.00	.25-6.00	16.68	15.90	6.00-40.00
Flat-rate softwoods.....	2.41		.76-4.00	12.82	12.82	10.00-14.00
Average and spread, all softwoods.....	2.47	1.00	.25-6.00	15.24	15.27	6.00-40.00
Regional average and spread.....	2.47	1.00	.25-6.00	15.24	15.27	6.00-40.00

REGION 8—ROCKY MOUNTAIN (NORTH)

Individual softwoods:						
Western yellow pine.....	\$2.08	\$2.31	\$1.00-\$4.56			
Western white pine.....	6.40	0.50	2.00-8.00			
Lodgepole pine.....	1.50					
Western larch.....	1.50	1.95	.40-3.00			
Engelmann spruce.....	1.18	1.00	.50-1.50			
Western hemlock.....	1.00	1.00				
Douglas fir.....	1.42	1.90	.40-2.70			
White fir.....	.84		.50-1.00			
Western red cedar.....	.99	1.00	.50-1.00			
Average and spread.....	3.57	4.97	.40-8.00			
Flat-rate softwoods.....	1.71	1.67	.38-4.00			
Average and spread, all softwoods.....	2.84	3.13	.38-8.00			
Regional average and spread.....	2.84	3.13	.38-8.00			

<sup>1</sup> Species not reported.

<sup>1</sup> Sale only.

TABLE 12.—*Stumpage and log prices, by regions, species, and type of sale—Cont.*  
REGION 10—PRAIRIE \*

State	Stumpage			Logs	
	Price per thousand		Price range, all sales	Price per thousand	
	All sales	Second growth		All sales	Lumber logs
Individual hardwoods:					
Rod oak.....	\$10.00			\$31.00	\$31.00
Soft maple.....				25.00	25.00
Elm <sup>1</sup> .....	4.00				
Black walnut.....	112.97		\$112.00-\$115.00		
Cottonwood.....	4.00			31.00	31.00
Basswood.....				31.00	31.00
Average and spread.....	57.06		4.00-115.00	30.96	30.96
Flat-rate hardwoods.....	7.50			15.00	15.00
Average and spread, all hardwoods.....	48.74		4.00-115.00	25.71	25.71
Regional average and spread.....	48.74		4.00-115.00	25.71	25.71

<sup>1</sup> Species not reported.<sup>2</sup> Very few reports from Iowa only.TABLE 13.—*Analysis of stumpage and log prices, by species, type of sale, and price-range classes*

## WESTERN YELLOW PINE

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Trans- actions	Volume	Trans- actions	Volume		Trans- actions	Volume	Trans- actions	Volume
	Dollars	Per cent	Dollars	Per cent		Dollars	Per cent	Dollars	Per cent
0.99	1	(1)			7.50-9.99				
1.00-1.99	12	4			10.00-14.99				
2.00-2.99	40	14			15.00-19.99				
3.00-3.99	28	5	1	(1)	20.00-24.99				
4.00-4.99	7	25			20.00-24.99				
5.00-7.49	6	52	7	(1)	30.00-34.99				

## WESTERN WHITE PINE

1.00-1.99	14	2			10.00-14.99				
2.00-2.99	10	3			15.00-19.99				
3.00-3.99	5	(1)			20.00-24.99				
4.00-4.99	14	4			30.00-34.99				
5.00-7.49	33	61			35.00-49.99				
7.50-9.99	24	30							

## SUGAR PINE

2.00-2.99	30	19			10.00-14.99				
3.00-3.99	57	13			15.00-19.99				
4.00-4.99	4	(1)			35.00-49.99				
5.00-7.49	9	68							

## NORWAY PINE

4.00-4.99	10	(1)			15.00-19.99				
5.00-7.49	60	32			20.00-24.99				
7.50-9.99	20	68			25.00-30.99				
10.00-14.99	10	(1)							

<sup>1</sup> Less than one-half of 1 per cent.

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 41

TABLE 13.—*Analysis of stumpage and log prices, by species, type of sale, and price-range classes—Continued*

JACK PINE

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Trans- ac-tions	Volume	Trans- ac-tions	Volume		Trans- ac-tions	Volume	Trans- ac-tions	Volume
Dollars	Per cent	Per cent	Per cent	Per cent	Dollars	Per cent	Per cent	Per cent	Per cent
2.00-2.99	20	76	-----	-----	10.00-14.99	-----	20	9	-----
4.00-4.99	20	18	-----	-----	15.00-19.99	-----	20	68	-----
5.00-7.49	60	8	-----	-----	20.00-24.99	-----	60	23	-----

NORTHERN WHITE PINE

2.00-2.99	2	(1)	-----	-----	15.00-19.99	6	3	45	40
3.00-3.99	3	3	-----	-----	20.00-24.99	(1)	1	20	12
4.00-4.99	6	4	-----	-----	25.00-29.99	-----	-----	18	30
5.00-7.49	33	31	1	(1)	30.00-34.99	-----	-----	4	4
7.50-9.99	19	41	(1)	(1)	35.00-40.00	-----	-----	3	2
10.00-14.99	31	17	9	11	-----	-----	-----	-----	-----

LONGLEAF PINE

1.00-1.99	1	(1)	-----	-----	10.00-14.99	10	9	48	12
2.00-2.99	2	1	-----	-----	15.00-19.99	3	(1)	10	20
3.00-3.99	17	6	-----	-----	20.00-24.99	3	1	28	48
4.00-4.99	8	3	2	1	25.00-29.99	-----	-----	2	(1)
5.00-7.49	47	63	-----	-----	100.00	-----	-----	2	(1)
7.50-9.99	9	17	8	19	-----	-----	-----	-----	-----

SHORTLEAF PINE

- 0.99	(1)	(1)	-----	-----	7.50-9.99	4	1	8	2
1.00-1.99	4	5	-----	-----	10.00-14.99	2	2	44	31
2.00-2.99	17	19	-----	-----	15.00-19.99	-----	-----	33	57
3.00-3.99	24	20	-----	-----	20.00-24.99	-----	-----	3	8
4.00-4.99	21	16	1	(1)	25.00-29.99	-----	-----	1	2
5.00-7.49	28	37	5	(1)	-----	-----	-----	-----	-----

WESTERN LARCH

- 0.99	16	33	-----	-----	5.00-7.49	-----	-----	29	24
1.00-1.99	52	35	-----	-----	7.50-9.99	-----	-----	14	49
2.00-2.99	30	32	-----	-----	10.00-14.99	-----	-----	57	27
3.00-3.99	2	(1)	-----	-----	-----	-----	-----	-----	-----

TAMARACK

2.00-2.99	43	86	-----	-----	10.00-14.99	-----	-----	6	5
3.00-3.99	36	4	-----	-----	15.00-19.99	-----	-----	63	60
4.00-4.99	7	(1)	-----	-----	20.00-24.99	-----	-----	13	16
5.00-7.49	14	10	-----	-----	25.00-34.99	-----	-----	6	10
7.50-9.99	-----	6	(1)	-----	30.00-99.00	-----	-----	6	9

ENGELMANN SPRUCE

- 0.99	33	37	-----	-----	5.00-7.49	-----	-----	50	10
1.00-1.99	50	61	-----	-----	10.00-14.99	-----	-----	50	90
2.00-2.99	17	2	-----	-----	-----	-----	-----	-----	-----

SITKA SPRUCE

- 0.99	3	(1)	-----	-----	7.50-9.99	-----	-----	1	1
1.00-1.99	6	1	-----	-----	10.00-14.99	-----	-----	31	36
2.00-2.99	13	55	-----	-----	15.00-19.99	-----	-----	53	58
3.00-3.99	10	6	-----	-----	20.00-24.99	-----	-----	9	2
4.00-4.99	34	15	-----	-----	25.00-29.99	-----	-----	4	1
5.00-7.49	28	23	-----	-----	30.00-34.99	-----	-----	2	2

<sup>1</sup> Less than one-half of 1 per cent.

## 42 STATISTICAL BULLETIN 36, U. S. DEPT. OF AGRICULTURE

TABLE 13.—*Analysis of stumpage and log prices, by species, type of sale, and price-range classes—Continued*

## EASTERN SPRUCE

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Transactions	Volume	Transactions	Volume		Transactions	Volume	Transactions	Volume
Dollars	Per cent	Per cent	Per cent	Per cent	Dollars	Per cent	Per cent	Per cent	Per cent
1.00- 1.99	1	4	-----	-----	10.00-14.99	14	13	4	2
2.00- 2.99	4	-----	-----	-----	15.00-19.99	-----	-----	48	57
3.00- 3.99	3	19	-----	-----	20.00-24.99	-----	-----	31	21
4.00- 4.99	5	(1)	-----	-----	25.00-29.99	-----	-----	13	12
5.00- 7.49	15	5	-----	-----	30.00-34.99	-----	-----	3	7
7.50- 9.99	53	55	-----	-----	35.00-49.99	-----	-----	1	1

## EASTERN HEMLOCK

---- 0.99	1	1	-----	-----	10.00-14.99	3	1	20	3
1.00- 1.99	2	4	-----	-----	15.00-19.99	2	1	60	78
2.00- 2.99	13	42	-----	-----	20.00-24.99	-----	-----	13	18
3.00- 3.99	14	25	-----	-----	25.00-29.99	-----	-----	6	1
4.00- 4.99	10	11	-----	-----	30.00-34.99	-----	-----	(1)	(1)
5.00- 7.49	33	11	-----	-----	35.00-49.99	-----	-----	(1)	(1)
7.50- 9.99	13	4	(1)	(1)	-----	-----	-----	-----	-----

## WESTERN HEMLOCK

---- 0.99	21	28	-----	-----	4.00- 4.99	-----	-----	1	(1)
1.00- 1.99	64	55	-----	-----	5.00- 7.49	-----	-----	33	37
2.00- 2.99	14	16	-----	-----	7.50- 9.99	-----	-----	64	63
3.00- 3.99	1	(1)	-----	-----	10.00-14.99	-----	-----	-----	-----

## DOUGLAS FIR

---- 0.99	10	6	-----	-----	7.50- 9.99	-----	-----	8	2
1.00- 1.99	33	17	-----	-----	10.00-14.99	-----	-----	35	22
2.00- 2.99	28	27	-----	-----	15.00-19.99	-----	-----	43	60
3.00- 3.99	12	17	1	(1)	20.00-24.99	-----	-----	3	4
4.00- 4.99	8	22	(1)	(1)	25.00-29.99	-----	-----	3	2
5.00- 7.49	4	11	5	1	30.00-34.99	-----	-----	1	(1)

## WHITE FIR

---- 0.99	43	57	-----	-----	7.50- 9.99	-----	-----	27	38
1.00- 1.99	33	11	-----	-----	10.00-14.99	-----	-----	50	50
2.00- 2.99	22	32	-----	-----	15.00-19.99	-----	-----	5	1
3.00- 3.99	2	(1)	-----	-----	30.00-34.99	-----	-----	4	(1)
5.00- 7.49	-----	5	1	-----	-----	-----	-----	-----	-----

## BALSAM FIR

2.00- 2.99	8	6	-----	-----	10.00-14.99	-----	-----	8	5
3.00- 3.99	8	4	-----	-----	15.00-19.99	-----	-----	70	91
5.00- 7.49	15	20	-----	-----	20.00-24.99	-----	-----	15	2
7.50- 9.99	69	70	-----	-----	25.00-29.99	-----	-----	7	2

## CYPRESS

1.00- 1.99	3	2	-----	-----	10.00-14.99	12	79	9	18
2.00- 2.99	6	1	-----	-----	15.00-19.99	-----	-----	57	35
3.00- 3.99	3	(1)	-----	-----	20.00-24.99	15	2	26	27
4.00- 4.99	18	6	-----	-----	25.00-29.99	-----	-----	5	11
5.00- 7.49	15	2	-----	-----	30.00-34.99	-----	-----	2	7
7.50- 9.99	28	8	-----	-----	35.00-49.99	-----	-----	1	4

<sup>1</sup> Less than one-half of 1 per cent.

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 43

TABLE 13.—*Analysis of stumpage and log prices, by species, type of sale, and price-range classes—Continued*

REDWOOD

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Transactions	Volume	Transactions	Volume		Transactions	Volume	Transactions	Volume
Dollars	Per cent	Per cent	Per cent	Per cent	Dollars	Per cent	Per cent	Per cent	Per cent
1.00- 1.99	33	88	20	88	5.00- 7.49	83	20	100	100
4.00- 4.99	33	42	—	—	10.00-14.99	—	—	—	—
— 0.99	3	(1)	7	—	7.50- 9.99	2	(1)	8	(1)
1.00- 1.99	20	—	22	—	10.00-14.99	—	—	19	4
2.00- 2.99	17	—	—	—	15.00-19.99	—	—	55	57
3.00- 3.99	17	5	—	—	20.00-24.99	—	—	22	38
4.00- 4.99	26	41	—	—	30.00-34.99	—	—	(1)	(1)
5.00- 7.49	15	25	(1)	(1)	35.00-49.99	—	—	1	(1)

WESTERN RED CEDAR

— 0.99	3	(1)	7	—	7.50- 9.99	2	(1)	8	(1)
1.00- 1.99	20	—	22	—	10.00-14.99	—	—	19	4
2.00- 2.99	17	—	—	—	15.00-19.99	—	—	55	57
3.00- 3.99	17	5	—	—	20.00-24.99	—	—	22	38
4.00- 4.99	26	41	—	—	30.00-34.99	—	—	(1)	(1)
5.00- 7.49	15	25	(1)	(1)	35.00-49.99	—	—	1	(1)

NORTHERN WHITE CEDAR

1.00- 1.99	6	4	—	—	7.50- 9.99	50	(3)	—	—
2.00- 2.99	15	17	—	—	10.00-14.99	15	5	42	45
3.00- 3.99	8	1	—	—	15.00-19.99	—	—	35	35
4.00- 4.99	2	(1)	—	—	20.00-24.99	—	—	15	17
5.00- 7.49	4	3	—	—	25.00-29.99	—	—	8	3

PORT ORFORD CEDAR

5.00- 7.49	100	100	—	—	35.00-49.99	—	—	56	17
20.00-24.99	—	—	11	11	50.00-59.99	—	—	11	14
30.00-34.99	—	—	22	58	—	—	—	—	—

EASTERN RED CEDAR

7.50- 9.99	16	9	—	—	30.00-34.99	—	—	22	16
10.00-14.99	67	83	—	—	35.00-49.99	—	—	61	83
15.00-19.99	17	8	6	(1)	50.00-59.99	—	—	5	2
25.00-29.99	—	—	6	(1)	—	—	—	—	—

INDIVIDUAL SOFTWOODS

— 0.99	4	6	—	—	15.00-19.99	1	(1)	41	54
1.00- 1.99	14	13	—	—	20.00-24.99	(1)	(1)	12	6
2.00- 2.99	19	20	—	—	25.00-29.99	—	—	5	1
3.00- 3.99	15	10	(1)	(1)	30.00-34.99	—	—	2	1
4.00- 4.99	12	20	(1)	(1)	35.00-49.99	—	—	2	(1)
5.00- 7.49	19	23	2	1	50.00-59.99	—	—	(1)	(1)
7.50- 9.99	9	1	6	8	100.00	—	—	(1)	(1)
10.00-14.99	6	1	23	23	—	—	—	—	—

FLAT-RATE SOFTWOODS

— 0.99	8	2	—	—	7.50- 9.99	2	(1)	10	5
1.00- 1.99	14	32	—	—	10.00-14.99	2	(1)	33	50
2.00- 2.99	28	48	—	—	15.00-19.99	—	—	37	33
3.00- 3.99	23	10	2	1	20.00-24.99	—	—	7	3
4.00- 4.99	12	4	—	—	25.00-29.99	—	—	2	1
5.00- 7.49	13	4	0	7	—	—	—	—	—

<sup>1</sup> Less than one-half of 1 per cent.

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**TABLE 13.—Analysis of stumpage and log prices, by species, type of sale, and price-range classes—Continued**

**ALL SOFTWOODS**

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Transactions	Volume	Transactions	Volume		Transactions	Volume	Transactions	Volume
Dollars	Per cent	Per cent	Per cent	Per cent	Dollars	Per cent	Per cent	Per cent	Per cent
0.00- 8.00	5	4	-----	-----	15.00-19.99	1	(1)	41	53
1.00- 1.99	14	21	-----	-----	20.00-24.99	1	(1)	12	6
2.00- 2.99	20	31	-----	-----	25.00-29.99	-----	-----	5	1
3.00- 3.99	16	10	(1)	(1)	30.00-34.99	-----	-----	2	1
4.00- 4.99	12	13	(1)	(1)	35.00-49.99	-----	-----	2	(1)
5.00- 7.49	18	19	2	1	50.00-59.99	-----	-----	(1)	(1)
7.50- 9.99	8	1	8	8	100.00	-----	-----	(1)	(1)
10.00-14.99	5	1	29	29	-----	-----	-----	-----	-----

**OAK—SPECIES NOT REPORTED**

0.00	1	(1)	-----	-----	10.00-14.99	14	6	8	4
1.00- 1.99	1	2	-----	-----	15.00-19.99	13	9	11	10
2.00- 2.99	9	29	-----	-----	20.00-24.99	7	6	20	48
3.00- 3.99	9	4	-----	-----	25.00-29.99	2	1	16	9
4.00- 4.99	12	8	-----	-----	30.00-34.99	1	(1)	20	5
5.00- 7.49	21	31	-----	-----	35.00-49.99	-----	-----	10	10
7.50- 9.99	10	4	1	0	50.00-59.99	-----	-----	14	2

**RED OAK**

0.00	1	(1)	-----	-----	15.00-19.99	14	3	22	27
2.00- 2.99	4	10	-----	-----	20.00-24.99	8	2	22	21
3.00- 3.99	4	3	-----	-----	25.00-29.99	1	(1)	12	14
4.00- 4.99	8	11	-----	-----	30.00-34.99	1	2	12	8
5.00- 7.49	25	41	-----	-----	35.00-49.99	-----	-----	13	17
7.50- 9.99	11	10	1	(1)	50.00-59.99	-----	-----	9	4
10.00-14.99	25	17	9	0	-----	-----	-----	-----	-----

**WHITE OAK**

1.00- 1.99	1	-----	-----	-----	15.00-19.99	11	9	15	14
2.00- 2.99	1	(1)	5	-----	20.00-24.99	18	9	19	17
3.00- 3.99	6	5	-----	-----	25.00-29.99	5	1	10	19
4.00- 4.99	10	11	-----	-----	30.00-34.99	2	3	8	8
5.00- 7.49	20	28	2	1	35.00-49.99	1	(1)	19	14
7.50- 9.99	8	9	-----	-----	50.00-59.99	-----	-----	18	19
10.00-14.99	17	20	9	8	-----	-----	-----	-----	-----

**WILLOW**

5.00- 7.49	100	100	-----	-----	15.00-19.99	-----	-----	50	69
10.00-14.99	-----	30	1	-----	20.00-24.99	-----	-----	20	30

**SOFT MAPLE**

2.00- 2.99	17	9	-----	-----	20.00-24.99	25	53	52	44
4.00- 4.99	17	13	-----	-----	25.00-29.99	-----	-----	9	21
5.00- 7.49	25	16	-----	-----	30.00-34.99	-----	-----	9	7
10.00-14.99	8	7	3	1	35.00-49.99	-----	-----	9	13
15.00-19.99	8	2	15	6	50.00-59.99	-----	-----	3	5

**HARD MAPLE**

4.00- 4.99	5	1	-----	-----	20.00-24.99	10	3	23	17
5.00- 7.49	10	17	-----	-----	25.00-29.99	10	20	16	33
7.50- 9.99	10	5	-----	-----	30.00-34.99	5	28	10	8
10.00-14.99	20	14	-----	-----	35.00-49.99	-----	-----	26	25
15.00-19.99	30	12	22	5	50.00-59.99	-----	-----	3	7

<sup>1</sup> Less than one-half of 1 per cent.

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 45

TABLE 13.—*Analysis of stumpage and log prices, by species, type of sale, and price-range classes—Continued*

MAPLE—SPECIES NOT REPORTED

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Transactions	Volume	Transactions	Volume		Transactions	Volume	Transactions	Volume
Dollars	Per cent	Per cent	Per cent	Per cent	Dollars	Per cent	Per cent	Per cent	Per cent
1.00- 1.99	1	(1)			15.00-19.99	19	28	14	2
2.00- 2.99	1	(1)			20.00-24.99	8	1	36	70
3.00- 3.99	2	(1)			25.00-29.99	4	(1)	17	13
4.00- 4.99	5	6			30.00-34.99			9	10
5.00- 7.49	25	43	(1)	(1)	35.00-49.99			12	2
7.50- 9.99	14	9			50.00-99.99			4	1
10.00-34.99	21	12	3	1	100.00				

ELM—SPECIES NOT REPORTED

1.00- 1.99	1	(1)			20.00-24.99	10	21	30	11
4.00- 4.99	0	2			25.00-30.99			24	45
5.00- 7.49	14	13	(1)	1	30.00-34.99			19	22
7.50- 9.99	15	23			35.00-49.99			8	12
10.00-14.99	34	21	5	2	50.00-99.99			(1)	(1)
15.00-19.99	20	20	13	7					

ROCK ELM

10.00-14.99			4	1	25.00-29.99				10	77
15.00-19.99			17	1	30.00-34.99				14	4
20.00-24.99			55	17						

ASH

3.00- 3.99	4	1			20.00-24.99	7	5	22	23
4.00- 4.99	3	1			25.00-29.99	11	4	21	15
5.00- 7.49	20	17	(1)	(1)	30.00-34.99	8	6	17	21
7.50- 9.99	10	14			35.00-49.99	18	10	21	18
10.00-14.99	14	31	3	4	50.00-99.99			10	16
15.00-19.99	5	2	6	3					

BLACK WALNUT

5.00- 9.99	2	1			30.00-34.99	9	1	3	(1)
10.00-14.99	6				35.00-49.99	20	4	10	
15.00-19.99	3	1			50.00-99.99	40	15	26	12
20.00-24.99	6	1	(1)	100.00		14	76	60	87

BUTTERNUT

4.00- 4.99	50	68			30.00-34.99				17	9
15.00-19.99			8	31	35.00-49.99				42	43
20.00-29.99	50	42	25	14	50.00-99.99				8	3

RED GUM

...- 0.99	1	(1)			10.00-14.99	4	(1)		12	8
1.00- 1.99	2	(1)			15.00-19.99	2	(1)		18	28
2.00- 2.99	8	7			20.00-24.99	4	(1)		31	34
3.00- 3.99	14	21			25.00-29.99				7	21
4.00- 4.99	27	55			30.00-34.99				10	2
5.00- 7.49	33	13	1	(1)	35.00-49.99				20	7
7.50- 9.99	5	1			50.00-99.99				1	(1)

\* Less than one-half of 1 per cent.

## 46 STATISTICAL BULLETIN 36, U. S. DEPT. OF AGRICULTURE

TABLE 13.—*Analysis of stumpage and log prices, by species, type of sale, and price-range classes—Continued*

## TUPELO GUM

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Transactions	Volume	Transactions	Volume		Transactions	Volume	Transactions	Volume
Dollars	Per cent	Per cent	Per cent	Per cent	Dollars	Per cent	Per cent	Per cent	Per cent
1.00- 1.99	11	4	-----	-----	10.00-14.99	-----	-----	32	63
2.00- 2.99	17	9	-----	-----	15.00-19.99	-----	-----	29	16
3.00- 3.99	39	63	-----	-----	20.00-24.99	-----	-----	24	10
4.00- 4.99	22	14	-----	-----	25.00-29.99	-----	-----	8	22
5.00- 7.49	11	10	-----	-----	35.00-49.99	-----	-----	5	(1)
7.50- 9.99	-----	-----	2	(1)	-----	-----	-----	-----	-----

## BLACK GUM

1.00- 1.99	50	61	-----	-----	15.00-19.99	-----	-----	55	76
7.50- 9.99	-----	-----	4	1	20.00-24.99	-----	-----	23	14
10.00-14.99	50	39	18	9	-----	-----	-----	-----	-----

## SYCAMORE

1.00- 1.99	5	8	-----	-----	15.00-19.99	4	3	25	23
2.00- 2.99	5	(1)	-----	-----	20.00-24.99	-----	-----	40	46
4.00- 4.99	9	5	-----	-----	25.00-29.99	-----	-----	10	2
5.00- 7.49	18	38	1	(1)	30.00-34.99	-----	-----	4	11
7.50- 9.99	14	11	-----	-----	35.00-49.99	-----	-----	2	1
10.00-14.99	45	35	18	16	-----	-----	-----	-----	-----

## LOCUST

15.00-19.99	-----	-----	50	50	20.00-24.99	-----	-----	50	50
-------------	-------	-------	----	----	-------------	-------	-------	----	----

## ASPEN

1.00- 1.99	37	69	-----	-----	10.00-14.99	12	(1)	23	27
2.00- 2.99	38	31	-----	-----	15.00-19.99	-----	-----	53	50
3.00- 3.99	13	(1)	-----	-----	20.00-24.99	-----	-----	6	8
7.50- 9.99	-----	-----	0	4	25.00-29.99	-----	-----	12	11

## COTTONWOOD

1.00- 1.99	3	15	-----	-----	10.00-14.99	16	(1)	12	38
3.00- 3.99	3	2	-----	-----	15.00-19.99	3	-----	19	26
4.00- 4.99	26	22	-----	-----	20.00-24.99	-----	-----	52	26
5.00- 7.49	42	37	3	1	25.00-29.99	-----	-----	9	3
7.50- 9.99	7	22	2	(1)	30.00-34.99	-----	-----	3	2

## YELLOW POPLAR

2.00- 2.99	7	4	-----	-----	20.00-24.99	16	20	14	13
4.00- 4.99	13	12	-----	-----	25.00-29.99	2	1	9	26
5.00- 7.49	30	25	-----	-----	30.00-34.99	1	(1)	16	14
7.50- 9.99	5	15	-----	-----	35.00-49.99	2	7	19	23
10.00-14.99	16	5	2	(1)	50.00-59.99	-----	-----	31	18
15.00-19.99	8	11	0	0	-----	-----	-----	-----	-----

## YELLOW BIRCH

7.50-9.99	100	100	-----	-----	20.00-24.99	-----	-----	60	87
15.00-19.99	-----	-----	33	13	-----	-----	-----	-----	-----

<sup>1</sup> Less than one-half of 1 per cent.

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 47

TABLE 13.—*Analysis of stumpage and log prices, by species, type of sale, and price-range classes—Continued*

BIRCH—SPECIES NOT REPORTED

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Transactions	Volume	Transactions	Volume		Transactions	Volume	Transactions	Volume
Dollars	Per cent	Per cent	Per cent	Per cent	Dollars	Per cent	Per cent	Per cent	Per cent
0.00	2	(1)			15.00-19.99	1	1	19	2
3.00- 3.99	4	2			20.00-24.99	1	(1)	17	2
4.00- 4.99	8	1			25.00-29.99			19	45
5.00- 7.49	28	27			30.00-34.99			15	18
7.50- 9.99	32	52			35.00-39.99			9	15
10.00-14.99	28	16	1	(1)	50.00-99.99			20	13

ALDER

1.00-1.99	50	40			15.00-19.99			75	50
2.00-2.99	50	80			20.00-24.99			25	50

PECAN

1.00- 1.99	100	100		40	15.00-19.99			60	1
10.00-14.99				99					

HICKORY

1.00- 1.99	2	(1)			15.00-19.99	14	3	11	(1)
3.00- 3.99	0	9			20.00-24.99	2	1	23	7
4.00- 4.99	9	5			25.00-29.99	2	2	27	19
5.00- 7.49	24	64	3	(1)	30.00-34.99			18	10
7.50- 9.99	11	16			35.00-49.99			15	62
10.00-14.99	27	9	4	1					

CHERRY

4.00- 4.99	6	3			20.00-24.99	13	2	18	14
5.00- 7.49	19	86			25.00-29.99	12	1	18	16
7.50- 9.99	13	(1)			30.00-34.99			22	52
10.00-14.99	31	6	7	1	35.00-49.99			21	11
15.00-19.99	6	1	7	1	50.00-99.99			14	6

BASSWOOD

3.00- 3.99	5	4			20.00-24.99	7	5	22	10
4.00- 4.99	10	2			25.00-29.99			27	42
5.00- 7.49	12	5			30.00-34.99	1	2	9	15
7.50- 9.99	15	64			35.00-49.99			28	27
10.00-14.99	30	10	1	(1)	50.00-99.99			3	4
15.00-19.99	20	8	10	2					

CHESTNUT

1.00- 1.99	5	8			15.00-19.99			24	22
2.00- 2.99	12	5			20.00-24.99			14	14
3.00- 3.99	15	26			25.00-29.99			10	2
4.00- 4.99	8	1			30.00-34.99			4	(1)
5.00- 7.49	51	63			35.00-49.99			7	52
7.50- 9.99	7	6			50.00-99.99			3	3
10.00-14.99	2	(1)	28	6					

<sup>1</sup> Less than one-half of 1 per cent.

## 48 STATISTICAL BULLETIN 36, U. S. DEPT. OF AGRICULTURE

TABLE 13.—*Analysis of stumpage and log prices, by species, type of sale, and price-range classes—Continued*

## BEECH

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Transactions	Volume	Transactions	Volume		Transactions	Volume	Transactions	Volume
Dollars	Per cent	Per cent	Per cent	Per cent	Dollars	Per cent	Per cent	Per cent	Per cent
2.00-2.99	4	4	—	—	15.00-19.99	6	5	40	22
3.00-3.99	8	15	—	—	20.00-24.99	—	—	21	47
4.00-4.99	15	14	—	—	25.00-29.99	—	—	18	8
5.00-7.49	39	38	—	—	30.00-34.99	—	—	11	17
7.50-9.99	4	1	1	1	35.00-40.00	—	—	3	2
10.00-14.99	25	23	5	3	50.00-59.99	—	—	1	(1)

## HACKBERRY

10.00-14.99	100	100	29	38	20.00-24.99	—	—	20	47
15.00-19.99	—	—	17	14	30.00-34.99	—	—	4	(1)

## MAGNOLIA

4.00-4.99	33	58	—	—	20.00-24.99	—	—	33	53
5.00-7.49	67	42	—	—	25.00-29.99	—	—	25	6
10.00-14.99	—	—	17	(1)	35.00-40.00	—	—	8	(1)
15.00-19.99	—	—	17	40	—	—	—	—	—

## PERSIMMON

15.00-19.99	—	—	30	3	50.00-59.99	—	—	60	60
35.00-40.00	—	—	20	37	—	—	—	—	—

## INDIVIDUAL HARDWOODS

0.99	(1)	(1)	—	—	15.00-19.99	11	10	16	12
1.00-1.99	1	3	—	—	20.00-24.99	8	3	25	29
2.00-2.99	4	7	—	—	25.00-29.99	2	—	35	21
3.00-3.99	6	11	—	—	30.00-34.99	1	1	12	9
4.00-4.99	10	15	—	—	35.00-49.99	2	(1)	14	12
5.00-7.49	21	29	(1)	(1)	50.00-59.99	1	(1)	8	5
7.50-9.99	10	10	(1)	(1)	100.00	(1)	(1)	2	5
10.00-14.99	19	10	7	6	—	—	—	—	—

## FLAT-RATE HARDWOODS

1.00-1.99	8	2	—	—	10.00-14.99	9	9	14	25
2.00-2.99	21	27	—	—	15.00-19.99	2	1	33	38
3.00-3.99	14	11	—	—	20.00-24.99	1	8	27	17
4.00-4.99	9	4	—	(1)	25.00-29.99	—	—	9	5
5.00-7.49	30	33	1	2	30.00-34.99	—	—	7	6
7.50-9.99	6	5	—	—	35.00-49.99	—	—	7	6

## ALL HARDWOODS

0.99	(1)	(1)	—	—	15.00-19.99	9	6	17	15
1.00-1.99	2	3	—	—	20.00-24.99	6	5	25	28
2.00-2.99	7	15	—	—	25.00-29.99	2	(1)	15	19
3.00-3.99	7	11	—	—	30.00-34.99	1	(1)	12	9
4.00-4.99	10	11	(1)	(1)	35.00-49.99	2	(1)	13	11
5.00-7.49	25	30	(1)	(1)	50.00-59.99	1	(1)	8	4
7.50-9.99	9	8	(1)	(1)	100.00	(1)	(1)	2	4
10.00-14.99	18	9	7	6	—	—	—	—	—

<sup>1</sup> Less than one-half of 1 per cent.

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 49

TABLE 13.—*Analysis of stumpage and log prices, by species, type of sale, and price-range classes—Continued*

FLAT-RATE MIXED SOFTWOODS AND HARDWOODS

Price-range class	Stumpage		Logs		Price-range class	Stumpage		Logs	
	Transactions	Volume	Transactions	Volume		Transactions	Volume	Transactions	Volume
Dollars	Per cent	(1)	Per cent	Per cent	Dollars	Per cent	Per cent	Per cent	Per cent
1.00-1.99	2	(1)			10.00-14.99	9	4	33	31
2.00-2.99	9	4			15.00-19.99	(1)	(1)	37	18
3.00-3.99	13	8			20.00-24.99			22	21
4.00-4.99	18	13			25.00-29.99			4	29
5.00-7.49	38	41	1	(1)	35.00-49.99			3	(1)
7.50-9.00	10	20			50.00-59.99				
					100.00	(1)	(1)	1	(1)

ALL SALES

0.99	3	4			15.00-19.99	4	(1)	27	49
1.00-1.99	8	18			20.00-24.99	3	(1)	29	9
2.00-2.99	14	28			25.00-29.99	1	(1)	11	3
3.00-3.99	12	16	(1)	(1)	30.00-34.99	(1)	(1)	7	1
4.00-4.99	12	13	(1)	(1)	35.00-49.99	1	(1)	8	1
5.00-7.49	22	21	1	1	50.00-59.99	(1)	(1)	5	
7.50-9.99	9	4	3	7	100.00	(1)	(1)	1	(1)
10.00-14.99	10	1	18	27					

\* Less than one-half of 1 per cent.

TABLE 14.—*Stumpage sales by species, type of sale, and class of timber* <sup>1</sup>

Species and type of sale	Virgin timber		Second growth		Mixed growth		All sales		
	M ft. b. m.	P. cl.	M ft. b. m.	P. cl.	M ft. b. m.	P. cl.	M ft. b. m.	P. cl.	
Individual softwoods:									
Western yellow pine	2,800	332	14,070	(1)	639	(1)	2,821	41	
Western white pine	30,248	59	20,601	41			50,849	100	
Lodgepole pine	300	100					300	100	
Sugar pine	53,680	100					53,680	100	
Norway pine	2,108	23	5,284	72			7,390	100	
Jack pine	1,231	75	400	25			1,031	100	
Northern white pine	9,471	15	51,685	84	27	(1)	61,183	100	
Pitch pine			12	100			12	100	
Longleaf pine	67,792	91	5,586	7	1,311	2	74,609	100	
Shortleaf pine	201,180	22	529,984	59	171,348	19	902,510	100	
Western larch	22,542	83	3,010	12			25,552	100	
Tamarack	2,723	98	42	2			2,765	100	
Engelmann spruce	770	34	1,486	68			2,255	100	
Slender spruce	138,484	90	100	(1)	417	(1)	130,001	100	
Eastern spruce	21,520	53	18,538	46	200	(1)	40,258	100	
Eastern hemlock	30,262	84	5,473	15	255	(1)	35,990	100	
Western hemlock	588,503	91	2,215	(1)	53,707	8	644,520	100	
Douglas fir	2,172,350	81	200,527	7	315,309	12	2,688,186	100	
White fir	157,731	90	622	(1)			158,353	100	
Balsam fir	112	10	957	60			1,069	100	
Cypress	56,168	95	2,597	4	448	1	59,213	100	
Redwood	7,006	100					7,006	100	
Incense cedar	18,354	100					18,354	100	
Western red cedar	247,730	99	1,210	(1)	751	(1)	249,697	100	
Northern white cedar	4,400	53	3,075	47			6,381	100	
Port Orford cedar			353	100			353	100	
Eastern red cedar		100	9	1,050	91			1,168	100
Total	6,841,112	82	809,782	11	544,500	7	8,055,374	100	

<sup>1</sup> The timber has been classified as reported by cooperators. In some instances species such as aspen and jack pine, although they are second growth in the strict sense of the word, have been reported as virgin growth, and has been so reported.

\* Less than one-half of 1 per cent.

## 50 STATISTICAL BULLETIN 36, U. S. DEPT. OF AGRICULTURE

TABLE 14.—*Stumpage sales by species, type of sale, and class of timber—Contd.*

Species and type of sale	Virgin timber		Second growth		Mixed growth		All sales	
	M ft. b. m.	P. ct.	M ft. b. m.	P. ct.	M ft. b. m.	P. ct.	M ft. b. m.	P. ct.
Individual hardwoods:								
Oak <sup>1</sup>	28,109	66	8,185	19	6,585	16	42,679	100
Red Oak			1,166	160			1,106	100
White Oak	8,592	42	11,199	64	725	4	20,526	100
Willow	16,112	60	8,922	33	1,679	6	26,713	100
Soft maple	365	66	176	32	38	5	550	100
Hard maple	1,405	57	927	38	130	2	2,482	100
Maple <sup>1</sup>	57,517	80	11,743	10	3,022	4	72,282	100
Elm	5,274	64	1,062	20	1,364	16	8,300	100
Ash	2,695	66	909	22	488	12	4,092	100
Black walnut	1,220	87	148	11	31	2	1,408	100
Butternut	19	42	14	68			24	100
Red gum	44,357	67	8,382	12	50	(?)	50,789	100
Tupelo gum	24,233	93	1,630	7			25,919	100
Black gum	66	100					66	100
Sycamore	300	46	240	36	120	18	660	100
Aspen	5,794	94	357	5	3	(?)	6,184	100
Cottonwood	2,570	38	4,121	61	70	1	5,761	100
Yellow poplar	3,769	61	2,306	38	70	1	8,146	100
Yellow birch			1	100			1	100
Birch <sup>1</sup>	19,223	62	907	5	1,000	5	21,220	100
Alder	116	40	50	17	125	43	290	100
Pecan	100	100					100	100
Hickory	1,553	55	1,139	41	100	4	2,744	100
Cherry	380	90	33	8	7	2	420	100
Basswood	3,701	75	802	17	327	8	5,020	100
Chestnut	2,338	65	1,213	34	20	(?)	3,571	100
Beech	6,557	58	2,264	19	2,850	25	11,771	100
Hackberry			1	100			1	100
Magnolia	148	100					148	100
Total	230,524	73	60,702	21	18,956	6	322,182	100
Flat-rate softwoods	5,170,602	92	306,804	5	151,652	3	5,638,118	100
Flat-rate hardwoods	143,912	69	56,805	27	7,825	4	208,642	100
Flat-rate mixed	1,134,801	77	116,693	8	228,569	16	1,479,348	100
Total	13,335,891	85	1,416,171	9	951,502	6	15,703,564	100

## SUMMARY

Individual softwoods	6,641,112	60	869,762	61	544,500	57	8,055,374	51
Individual hardwoods	230,524	2	68,702	5	18,958	2	322,182	2
Flat-rate softwoods	5,170,602	39	306,804	22	151,652	16	5,638,118	36
Flat-rate hardwoods	143,912	1	56,805	4	7,825	1	208,642	1
Flat-rate mixed	1,134,801	8	116,693	8	228,569	24	1,479,348	10
Total	13,335,891	100	1,416,171	100	951,502	100	15,703,564	100

<sup>1</sup> Less than one-half of one per cent.<sup>1</sup> Species not reported.

TABLE 15.—*Log sales, by species, type of sale, and product*

Species and type of sale	Boxshooks		Lumber		Ties		Staves or heading		Fuel wood		Pulpwood		Mine timbers		Veneer		Poles and posts		Miscellaneous		Total				
	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent			
Individual softwoods:																									
Western yellow pine	28,779	13.1	191,244	86.9																	220,023	100			
Western white pine	80	.7	12,180	99.3																12,200	100				
Sugar pine			898	100.0																898	100				
Norway pine	5	.4	1,402	99.6																1,407	100				
Jack pine			292	100.0																292	100				
Northern white pine	3,114	10.2	24,565	80.3			2,533	8.3			737	4.3			66	0.2			320	1.0	30,598	100			
Longleaf pine			13,278	77.6			2,522	14.7							582	3.4				17,123	100				
Shortleaf pine	1,098	.9	220,569	95.4	1,350	0.6	3,088	1.6							950	.4			2,500	1.1	231,055	100			
Western larch			4,057	100.0																4,057	100				
Tamarack			628	55.7	140	13.3									274	26.0				10	1.0	1,052	100		
Engelmann spruce			404	100.0																	404	100			
Sitka spruce	8,442	2.4	335,961	95.4			4,021	1.1							1,926	.6					352,152	100			
Eastern spruce	903	6.1	11,390	76.7											1,291	8.7				1,256	8.5	14,840	100		
Eastern hemlock	178	.2	36,845	38.7	209	.2									57,482	60.4				416	.5	95,130	100		
Western hemlock	17,042	1.4	1,168,637	94.4											52,600	4.2					1,238,279	100			
Douglas fir			4,468	737	99.7	.1														4,481,878	100				
White fir	337	2.2	12,825	83.1											2,262	14.7					15,424	100			
Balsam fir	159	4.6	3,267	93.6											65	1.9					3,491	100			
Cypress			25,906	94.7																400	1.5	27,347	100		
Redwood			1,096	100.0																1,096	100				
Incense cedar			247	100.0																247	100				
Western red cedar			1,369,602	58.1															268,631	41.9	636,233	100			
Northern white cedar	2	.1	893	29.0												250	8.1			3	.1	1,926	62.7	3,074	100
Port Orford cedar			77,201	100.0																77,201	100				
Eastern red cedar			4,737	97.6																	4,851	100			
Total	61,039	.8	6,986,561	93.5	7,250	.1	12,764	.2	905		116,363	1.6	524		10,255	.1	934		273,517	3.7	7,470,412	100			
Individual hardwoods:																									
Oak <sup>1</sup>			22,011	90.7	200	.8													1,465	6.1	24,264	100			
Willow			1,705	100.0																1,708	100				
Red oak			20,359	78.8	641	2.5	3,600	13.9							1,216	4.7			32	.1	25,848	100			
White oak			22,032	74.4	214	.7	5,003	16.9							2,025	6.8			344	1.2	29,618	100			
Soft maple	8	1.0	757	90.3											68	7.0			7	.8	838	100			
Hard maple			7,098	89.0											836	10.5			38	.5	7,972	100			
Maple <sup>2</sup>	80	.1	114,758	88.8	85	.1	6								6,807	5.2			8,263	6.3	130,000	100			
Elm <sup>3</sup>	162	.5	21,523	67.7			7,444	23.4							803	2.5			1,875	5.9	31,807	100			
Rock elm			438	100.0																438	100				
Ash			12,785	78.3			64	.4							818	5.0			2,654	16.3	16,321	100			
Black walnut			8,553	26.5											24,462	73.2			97	.3	33,417	100			
Butternut			56	96.6											2	3.4					58	100			
Red gum	379	.3	82,654	67.4			8,167	6.0							25,257	20.6			6,265	5.1	122,702	100			

<sup>1</sup> Manufactured into lumber and shingles.<sup>2</sup> Shingle logs.<sup>3</sup> Species not reported.

TABLE 15.—*Log sales, by species, type of sale, and product—Continued*

Species and type of sale	Box shooks		Lumber		Ties		Staves or heading		Fuel wood		Pulpwood		Mine timbers		Veneer		Poles and posts		Miscellaneous		Total		
	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	M ft. b. m.	Per cent	
Individual hardwoods—Contd.																							
Tupelo gum			11,065	34.0																			
Black gum			2,265	86.6																			
Sycamore			3,821	88.0																			
Locust			2	100.0																			
Aspen	2	0.1	976	68.4																			
Cottonwood	516	6.0	6,763	78.7																			
Yellow poplar			35,063	65.1																			
Yellow birch			40	25.0																			
Birch	25		49,307	79.8																			
Alder			1,288	35.1																			
Pecan			993	100.0																			
Hickory			13,222	38.3																			
Cherry			735	89.6																			
Basswood	453	2.6	11,575	67.5																			
Chestnut			1,787	90.9	50	2.6																	
Beech	40	.2	9,929	57.0	415	2.4																	
Huckleberry			1,064	100.0																			
Magnolia			3,239	100.0																			
Persimmon			10	28.6																			
Buckeye			74	100.0																			
Total			1,665	.3	468,256	69.9	1,605	.2	24,923	3.7													
Flat-rate softwoods			950	.4	223,836	98.3					1,436	0.0	1,500	.7									
Flat-rate hardwoods			542	.5	69,248	60.3	463	.4	10,963	11.0													
Flat-rate mixed			2,286	1.9	113,550	93.0	100	.1	50														
Total			60,482	.8	7,861,751	91.5	9,418	.1	48,700	.6	2,341	100.0	118,080	1.4	524		136,610	1.6	934		345,755	4.0	

## SUMMARY

Individual softwoods	61,039	91.8	6,986,861	88.9	7,250	77.0	12,764	26.2	905	38.7	116,363	98.5	524	100.0	10,255	7.5	934	100.0	273,517	79.1	7,470,412	87.0	
Individual hardwoods	1,665	2.5	468,256	69.0	1,605	17.0	24,923	51.2			217	2			115,169	84.3	934	100.0	55,566	16.9	670,401	7.8	
Flat-rate softwoods	950	1.4	223,836	2.8					1,436	61.3	1,500	1.3											
Flat-rate hardwoods	542	.8	69,248	.9	463	4.9	10,963	22.5															
Flat-rate mixed	2,286	3.5	113,550	1.4	100	1.1	50	.1															
Total	66,482	100.0	7,861,751	100.0	9,418	100.0	48,700	100.0	2,341	100.0	118,080	100.0	524	100.0	136,610	100.0	934	100.0	345,755	100.0	8,590,595	100.0	

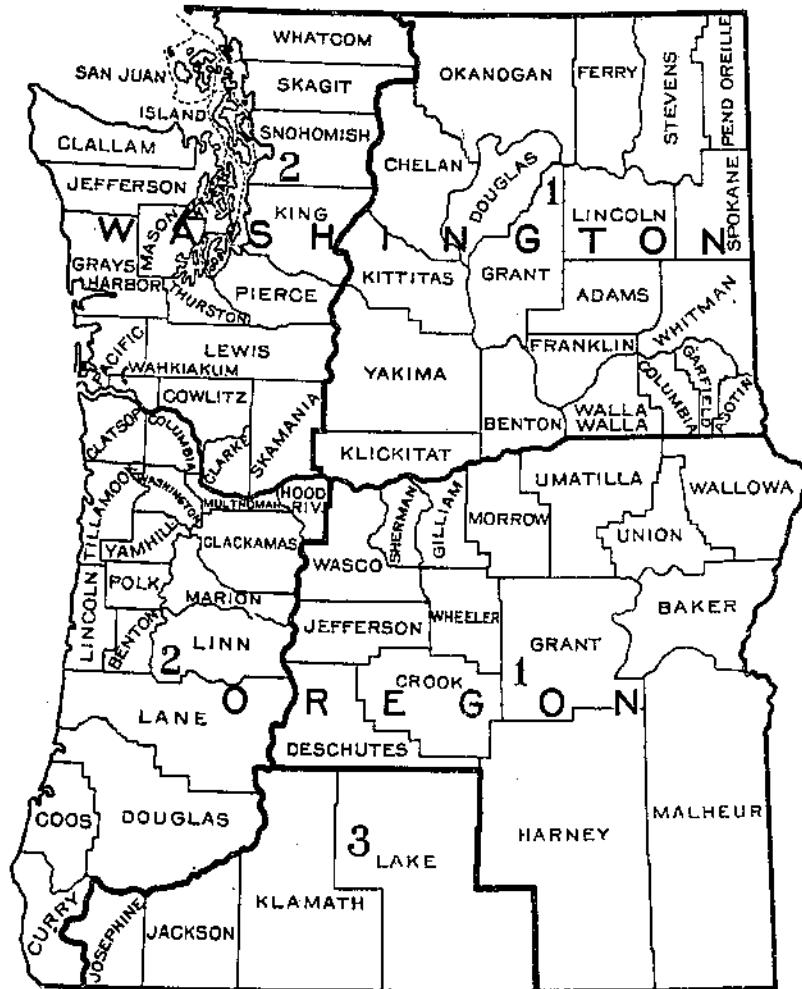
\* Species not reported.

# STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 53

## APPENDIX

### REGIONAL STUMPPAGE AND LOG PRICES IN WASHINGTON AND OREGON IN 1929

The largest and heaviest stands of virgin timber in the United States are in Washington and Oregon, and about 33 per cent of the entire lumber cut in 1929 was produced in these States. It is to be expected that the stumpage and log transactions reported from these States in 1929 would involve a relatively large amount of timber. (Table 2.) Because of widely different conditions both



#### WASHINGTON:

- 1-EASTERN
- 2-WESTERN

#### OREGON:

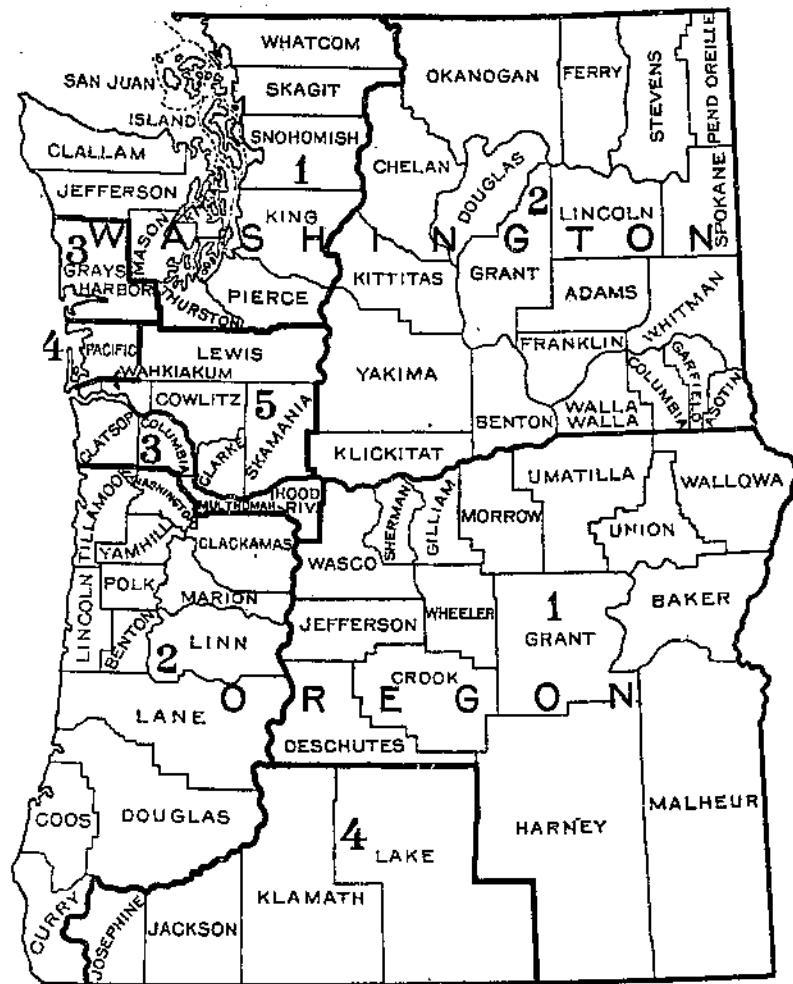
- 1-EASTERN
- 2-WESTERN
- 3-KLAMATH

FIGURE 2.—Stumpage regions in Washington and Oregon.

with regard to stands of timber and log markets within the States themselves, a separate analysis is justified.

The State of Washington has two main timber regions of great dissimilarity, namely, eastern Washington and western Washington, the dividing line being roughly the crest of the Cascade Mountains. (Fig. 2.) Silvicultural condi-

tions, principal species of trees, methods of logging, and other important factors having a direct influence on stumpage prices vary greatly between the two regions. As an example of this dissimilarity, the average stands per acre on the basis of the selling cruise of all timber reported sold in eastern Washington and in western Washington in 1929 were 7,100 board feet and 34,500 board feet, respectively.



**WASHINGTON**  
 1 - PUGET SOUND  
 2 - EASTERN  
 3 - GRAYS HARBOR  
 4 - WILLAPA HARBOR  
 5 - COLUMBIA RIVER

**OREGON**  
 1 - EASTERN  
 2 - WESTERN  
 3 - COLUMBIA RIVER  
 4 - KLAMATH

FIGURE 3.—Log regions in Washington and Oregon.

Douglas fir is the principal and generally speaking one of the most desirable species of timber in western Washington, whereas in eastern Washington it is considered one of the inferior and less desirable species. The average stumpage prices for Douglas fir reported in 1929 were \$4.07 in western Washington and \$0.66 in eastern Washington.

## STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 55

Similarly Oregon has three main timber regions: Eastern Oregon and western Oregon (the dividing line again being the Cascades), and the four south-central counties (the Klamath region) which are similar in timber characteristics to northern California. The average stand per acre of all timber reported as sold in eastern Oregon in 1929 was 9,800 board feet per acre on the basis of the selling cruise; in the Klamath region 15,500 board feet; and in western Oregon 35,800 board feet. For reasons similar to those heretofore given for Washington, the average reported stumpage price of Douglas fir in western Oregon was \$2.27; in eastern Oregon, \$1.19; and in the Klamath region, \$0.91.

Washington has five natural regional log markets, as shown in Figure 3. The eastern Washington stumpage and log regions are geographically exactly the same; western Washington has, however, four log markets, i. e., Puget Sound, Grays Harbor, Willapa Harbor, and the Columbia River. There is at least as much dissimilarity between eastern and western Washington log markets as there is between the same stumpage regions.

Similarly the eastern Oregon and the Klamath log regions are identical geographically with the stumpage regions, while western Oregon has two natural log regions, the four western counties bordering on the Columbia River constituting the Columbia River log region being distinct from the remainder of western Oregon.

In eastern Washington, eastern Oregon, and the Klamath region, there are, generally speaking, no standard log grades, and most of the logs are produced by concerns who also manufacture them into lumber or other products. In western Washington and Oregon a considerable quantity of the total logs are produced by independent logging concerns, and the majority of these logs are sold on a basis of a grade and scale which is determined by employees of log scaling and grading bureaus. Generally speaking, log grades and methods of scaling are fundamentally the same throughout western Washington and Oregon. There is more or less competition between log consumers in some of the regions. Supplies of certain species of timber, such as Sitka spruce, and classes of material, such as "peelers" or veneer logs, are not as plentiful on Puget Sound or the Columbia River as they were at one time, and it is possible, or even necessary, for manufacturers of these items to ship in their raw material from other regions. In 1929, for example, hundreds of millions of feet of logs of all kinds and grades were shipped by rail and water from Grays Harbor to Puget Sound.

Competition for logs is not necessarily limited to regions in the same State, for in 1929 one concern started shipping logs by means of ocean-going rafts from western Oregon to Grays Harbor. Average log prices in western Oregon as compared to those in Grays Harbor would seem to indicate at least part of the reason for this.

There may be some differences in the grading and scaling of logs in the several log markets in western Washington and Oregon which may react in favor of the seller in some cases and make it possible for him, after paying the additional cost of transportation, to dispose of his product at a greater profit in a log market more remote than in the one in which his logs were produced. Then again the production of logs in a certain region may, as has been the case in some instances, exceed the manufacturing capacity in that region, making it necessary for some log producers to suspend their operations or dispose of their product in another market where manufacturing concerns are able to absorb it.

In years gone by, logs on the coast of Washington and Oregon were transported mainly by water. In recent years the volume of logs shipped either partly or entirely to sawmills by railroad has greatly increased and it is no longer uncommon for a manufacturing plant to receive a considerable portion of its logs by rail from distances of more than 100 miles. It is entirely possible that competition for logs between the regions will become more acute in the future.

Tables 16 and 17 give average 1929 stumpage and log prices as indicated by reports received for the States of Washington and Oregon and for the several regions by species and type of sale. All averages are weighted, and all log prices are camp run.

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TABLE 16.—*Total stumpage and log sales in Washington; by regions, species, type of sale, and State total*

## STUMPAGE—REGION 1, EASTERN WASHINGTON

Type of sale and species	Transactions	Quantity	Value	Average price per M	Price range
	Number	M ft. b. m.	Dollars	Dollars	Dollars
Individual softwoods:					
Western yellow pine.....	56	227,055	554,033	2.43	0.60-5.40
Western white pine.....	2	1,100	1,800	1.64	1.50-2.00
Western larch.....	7	8,980	3,680	.54	.25-2.00
Engelmann spruce.....	2	785	433	.55	.50-1.50
Douglas fir.....	16	72,346	47,071	.66	.40-2.50
White fir.....	8	1,402	1,503	1.07	.50-2.00
Western red cedar.....	1	75	113	1.51	
Total or average.....	90	310,523	610,133	1.96	
Spread.....					.25-5.40
Flat-rate softwoods.....	24	30,820	77,216	1.94	.20-3.03
Regional total or average.....	114	350,349	687,349	1.96	
Regional spread.....					.20-5.40

## STUMPAGE—REGION 2, WESTERN WASHINGTON

Individual softwoods:					
Western white pine.....	4	1,078	6,847	4.08	1.00-4.25
Western larch.....	1	1,180	1,180	1.00	
Sitka spruce.....	24	37,986	158,578	4.17	2.50-5.98
Western hemlock.....	48	478,830	619,717	1.20	.50-3.45
Douglas fir.....	93	1,167,419	4,741,210	4.07	1.00-5.14
White fir.....	3	9,158	10,298	1.12	.50-3.65
Western red cedar.....	51	194,810	836,821	4.30	1.00-8.00
Total or average.....	224	1,801,017	6,380,611	3.37	
Spread.....					.50-8.00
Flat-rate softwoods.....	62	1,218,439	3,070,991	3.27	.05-6.04
Individual hardwoods:					
Maple.....	2	160	408	2.55	1.60-2.80
Cottonwood.....	1	1,000	1,500	1.50	
Alder.....	4	290	616	2.12	1.33-2.80
Total or average.....	7	1,450	2,524	1.74	1.33-2.80
Regional total or average.....	293	3,110,908	10,363,126	3.33	
Regional spread.....					.50-8.00

## STUMPAGE—WASHINGTON, TOTAL

Individual softwoods:					
Western yellow pine.....	56	227,055	554,033	2.43	0.60-5.40
Western white pine.....	6	2,778	6,647	3.11	1.00-4.25
Western larch.....	8	8,040	4,860	.00	.25-2.00
Engelmann spruce.....	2	785	433	.55	.50-1.50
Sitka spruce.....	24	37,986	158,578	4.17	2.50-5.98
Western hemlock.....	48	478,830	619,717	1.20	.50-3.45
Douglas fir.....	100	1,239,705	4,741,881	3.87	1.00-5.14
White fir.....	9	10,560	11,761	1.11	.50-3.55
Western red cedar.....	52	194,601	836,934	4.30	1.00-8.00
Total or average.....	314	2,201,504	6,090,744	3.18	
Spread.....					.25-8.00
Flat-rate softwoods.....	86	1,258,205	4,037,207	3.22	.20-6.04
Total or average, all softwoods.....	400	3,459,805	11,047,951	3.10	
Spread, all softwoods.....					.20-8.00
Individual hardwoods:					
Maple.....	2	160	408	2.55	1.00-2.80
Cottonwood.....	1	1,000	1,500	1.50	
Alder.....	4	290	616	2.12	1.33-2.80
Total or average.....	7	1,450	2,524	1.74	
Spread.....					1.33-2.80
State total or average.....	407	3,481,255	11,050,475	3.19	
State spread.....					.20-8.00

STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 57

TABLE 16.—*Total stumpage and log sales in Washington; by regions, species, type of sale, and State total—Continued*

LOGS—REGION 1, PUGET SOUND

Type of sale and species	Transactions	Quantity	Value	Average price per M	Price range
	Number	M. f. b. m.	Dollars	Dollars	
Individual softwoods:					
Western white pine.....	14	1,358	20,557	15.14	10.00-35.00
Sitka spruce.....	33	68,547	1,203,347	17.50	10.00-21.84
Western hemlock.....	105	514,810	5,664,155	11.00	8.00-14.05
Douglas fir.....	148	1,875,878	31,530,490	16.81	3.50-30.75
White fir.....	5	4,117	38,901	9.45	8.87-12.00
Western red cedar.....	160	321,770	6,050,334	19.08	8.00-35.00
Total or average.....	471	2,780,486	45,112,793	16.19	
Spread.....					3.50-35.00
Flat-rate softwoods.....	4	48,352	601,671	12.44	3.76-15.75
Individual hardwoods:					
Oak.....	1	44	1,080	45.00	
Maple.....	8	1,630	34,055	20.89	10.00-22.00
Ash.....	1	14	204	21.00	
Cottonwood.....	2	85	515	6.00	5.00-10.00
Birch.....	2	64	2,400	44.55	10.00-45.00
Alder.....	7	2,381	43,052	18.40	16.00-20.00
Total or average.....	21	4,208	53,262	18.77	
Spread.....					5.00-45.00
Regional total or average.....	496	2,939,046	45,707,666	16.13	
Regional spread.....					3.50-45.00

LOGS—REGION 2, EASTERN WASHINGTON

Individual softwoods:					
Western yellow pine.....	42	68,970	865,587	12.10	6.00-15.15
Western white pine.....	6	4,163	81,082	10.70	17.50-21.00
Western larch.....	6	4,040	35,000	5.89	6.00-12.50
Engelmann spruce.....	2	401	4,244	10.60	6.00-11.00
Douglas fir.....	11	13,304	180,944	9.84	6.00-12.00
White fir.....	4	611	6,704	11.12	8.50-12.50
Western red cedar.....	1	7	56	8.00	
Total or average.....	72	91,505	1,115,497	12.19	
Spread.....					6.00-21.00
Flat-rate softwoods.....	2	9,065	70,320	8.75	8.00-12.00
Regional total or average.....	74	100,570	1,184,817	13.88	
Regional spread.....					0.00-21.00

LOGS—REGION 3, GRAYS HARBOR

Individual softwoods:					
Western white pine.....	12	6,739	114,183	16.94	12.00-30.00
Sitka spruce.....	35	164,868	2,675,040	16.23	10.96-30.06
Western hemlock.....	24	436,444	4,128,501	9.40	4.50-10.46
Douglas fir.....	45	1,099,089	19,592,366	17.53	11.90-26.65
White fir.....	2	946	8,105	8.66	8.53-9.00
Western red cedar.....	22	248,256	4,500,626	18.53	10.50-23.71
Total or average.....	140	1,058,372	31,118,001	15.88	
Spread.....					4.50-30.00
Flat-rate softwoods.....	2	34,030	531,322	15.34	12.33-15.82
Regional total or average.....	142	1,094,002	31,640,323	15.87	
Regional spread.....					4.60-30.00

LOGS—REGION 4, WILLAPA HARBOR

Individual softwoods:					
Sitka spruce.....	6	10,150	181,148	17.84	14.90-20.10
Western Hemlock.....	4	4,600	40,448	9.07	9.00-11.32
Douglas fir.....	2	20,351	345,304	16.97	16.19-17.00
Western red cedar.....	6	14,484	230,897	15.94	15.00-17.00
Regional total, or average.....	18	40,651	803,797	16.19	
Regional spread.....					9.00-29.10

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TABLE 16.—*Total stumpage and log sales in Washington; by regions, species, type of sale, and State total—Continued*

## LOGS—REGION 5, COLUMBIA RIVER

Type of sale and species	Transactions	Quantity	Value	Average price per M	Price range
	Number	M ft. b. m.	Dollars	Dollars	Dollars
Individual softwoods:					
Sitka spruce.....	1	1,589	25,104	16.00	
Western hemlock.....	7	6,090	57,393	9.42	7.00-11.00
Douglas fir.....	41	113,398	1,507,487	13.29	6.00-25.95
Western red cedar.....	12	22,067	378,355	16.69	11.65-20.00
Total or average.....	61	143,724	1,968,332	13.70	
Spread.....					6.00-25.95
Flat-rate softwoods.....	4	16,293	181,000	11.11	9.00-15.12
Individual hardwoods: Cottonwood.....	1	425	6,800	16.00	
Regional total or average.....	68	160,442	2,156,222	13.44	
Regional spread.....					6.00-25.95

## LOGS—WASHINGTON, TOTAL

Individual softwoods:					
Western yellow pine.....	42	68,976	855,597	12.40	6.00-15.15
Western white pine.....	32	12,260	215,732	17.08	10.00-35.00
Western larch.....	6	4,040	35,900	5.89	3.00-12.60
Engelmann spruce.....	2	404	4,244	10.50	6.00-11.00
Sitka spruce.....	75	245,140	4,084,639	16.60	10.00-30.00
Western hemlock.....	140	965,004	0,898,577	10.28	4.50-14.05
Douglas fir.....	247	3,122,020	53,106,600	17.01	3.50-30.75
White fir.....	11	5,674	53,890	4.50	8.50-12.50
Western red cedar.....	207	607,220	11,864,271	19.54	8.00-35.00
Total or average.....	762	5,030,738	80,118,420	15.03	
Spread.....					3.50-35.00
Flat-rate softwoods.....	12	108,340	1,393,403	12.88	3.76-15.82
Total or average, all softwoods.....	774	5,139,078	81,511,823	15.88	
Spread, all softwoods.....					3.50-35.00
Individual hardwoods:					
Oak.....	1	44	1,980	45.00	
Maple.....	8	1,630	34,955	20.89	10.00-22.00
Ash.....	1	14	294	21.00	
Cottonwood.....	3	510	7,315	14.34	5.00-18.00
Birch.....	2	54	2,406	44.66	10.00-45.00
Alder.....	7	2,381	43,952	18.46	10.00-20.00
Total or average.....	22	4,633	90,002	19.43	
Spread.....					5.00-45.00
State total or average.....	796	5,143,711	81,601,825	15.86	
State spread.....					3.50-46.00

TABLE 17.—*Total stumpage and log sales in Oregon; by regions, species, type of sale, and State total*

## STUMPAGE—REGION 1, EASTERN OREGON

Type of sale and species	Transactions	Quantity	Value	Average price per M	Price range
	Number	M ft. b. m.	Dollars	Dollars	Dollars
Individual softwoods:					
Western yellow pine.....	17	173,891	485,489	2.79	1.00-3.75
Lodgepole pine.....	1	100	100	1.00	
Douglas fir.....	4	1,014	1,203	1.19	.60-1.50
Regional total or average.....	22	175,005	486,792	2.78	
Regional spread.....					.60-3.75

**STUMPPAGE AND LOG PRICES FOR THE CALENDAR YEAR 1929 59**

**TABLE 17.—Total stumpage and log sales in Oregon; by regions, species, type of sale, and State total—Continued**

**STUMPPAGE—REGION 2, WESTERN OREGON**

Type of sale and species	Transactions	Quantity	Value	Average price per M	Price range
	Number	Mf. b. m.	Dollars	Dollars	Dollars
Individual softwoods:					
Western yellow pine.....	1	3,000	3,000	1.00	
Sitka spruce.....	8	101,015	340,033	3.43	0.41-5.60
Western hemlock.....	17	164,565	160,403	.97	16-2.00
Douglas fir.....	118	1,380,787	3,127,774	2.27	24-5.05
White fir.....	11	5,175	7,947	.97	50-2.00
Western red cedar.....	8	43,626	117,897	2.70	84-3.00
Port Orford cedar.....	1	353	1,765	5.00	
Total or average.....	164	1,701,621	3,764,819	2.21	
Spread.....					.16-5.60
Flat-rate softwoods.....	31	3,730,078	7,395,030	1.98	.10-5.88
Regional total or average.....	195	5,431,699	11,161,455	2.05	
Regional spread.....					.16-5.88

**STUMPPAGE—REGION 3, KLAMATH**

Individual softwoods:					
Western yellow pine.....	42	2,200,736	11,661,118	5.30	1.00-7.00
Sugar pine.....	9	4,676	15,578	3.83	2.50-3.60
Douglas fir.....	9	8,339	7,614	.91	.50-1.00
White fir.....	9	126,769	139,780	1.00	.50-2.00
Incense cedar.....	5	7,607	4,905	.84	.50-1.00
Total or average.....	74	2,348,187	11,827,975	5.04	
Spread.....					.50-7.00
Flat-rate softwoods.....	4	23,321	15,198	.65	.44-1.08
Regional total or average.....	78	2,371,508	11,843,171	4.99	
Regional spread.....					.44-7.00

**STUMPPAGE—OREGON, TOTAL**

Individual softwoods:					
Western yellow pine.....	60	2,377,627	12,149,607	5.11	1.00-7.00
Lodgepole pine.....	1	100	100	1.00	
Sugar pine.....	9	4,768	15,578	3.83	2.50-3.60
Sitka spruce.....	8	101,015	340,033	3.43	0.41-5.60
Western hemlock.....	17	164,565	160,403	.97	16-2.00
Douglas fir.....	131	1,390,140	3,138,591	2.28	24-5.05
White fir.....	20	134,944	146,707	1.09	.50-2.00
Incense cedar.....	5	7,667	4,005	.64	.50-1.00
Western red cedar.....	8	43,626	117,897	2.70	.84-3.00
Port Orford cedar.....	1	363	1,765	5.00	
Total or average.....	260	4,224,713	16,079,580	3.81	
Spread.....					.10-7.00
Flat-rate softwoods.....	35	3,753,389	7,411,832	1.07	.10-5.88
State total or average.....	295	7,978,112	23,491,418	2.94	
State spread.....					.10-7.00

**LOGS—REGION 1, EASTERN OREGON**

Individual softwoods:					
Western yellow pine.....	11	28,029	405,441	14.02	3.04-10.50
Western larch.....	1	17	218	12.82	
Douglas fir.....	1	154	1,155	7.50	
Regional total or average.....	13	29,100	406,814	13.98	
Regional spread.....					3.04-10.50

**LOGS—REGION 2, WESTERN OREGON**

Individual softwoods:					
Western yellow pine.....	1	5,229	73,206	14.00	
Sitka spruce.....	12	29,871	435,688	14.59	10.50-23.70
Western hemlock.....	9	19,557	196,876	10.07	8.00-14.83
Douglas fir.....	39	270,742	2,937,802	11.04	4.50-15.00
White fir.....	4	2,433	28,364	11.66	8.75-12.00
Western red cedar.....	7	6,668	90,778	14.52	11.67-17.11
Port Orford cedar.....	9	77,201	2,825,428	38.00	21.46-64.94
Total or average.....	81	411,600	6,644,232	10.14	
Spread.....					4.50-54.94
Flat-rate softwoods.....	1	24,039	401,616	10.30	
Regional total or average.....	82	436,338	7,045,848	10.15	
Regional spread.....					4.50-54.94

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TABLE 17.—*Total stumpage and log sales in Oregon; by regions, species, type of sale, and State total—Continued*

## LOGS—REGION 3, COLUMBIA RIVER

Type of sale and species	Transactions	Quantity	Value	Average price per M	Price range
	Number	M ft. b. m.	Dollars	Dollars	Dollars
Individual softwoods:					
Sitka spruce.....	10	77,141	1,174,020	15.22	11.18-23.50
Western hemlock.....	10	263,718	2,874,348	11.33	10.40-14.21
Douglas fir.....	70	1,052,090	10,051,871	15.26	3.00-17.97
White fir.....	4	5,557	71,022	12.78	9.65-15.00
Western red cedar.....	14	22,347	331,926	14.85	7.00-18.04
Total or average.....	117	1,410,863	20,503,187	14.53	
Spread.....					3.00-23.50
Flat-rate softwoods.....	2	26,088	236,405	9.06	6.50-10.72
Individual hardwoods:					
Maple.....	1	2,503	55,441	22.15	
Ash.....	1	395	8,749	22.15	
Cottonwood.....	1	3,069	33,115	10.79	
Alder.....	1	1,288	28,520	22.15	
Total or average.....	4	7,255	125,834	17.34	
Spread.....					10.70-22.15
Regional total or average.....	123	1,444,196	20,885,426	14.45	
Regional spread.....					3.00-23.50

## LOGS—REGION 4, KLAMATH

Individual softwoods:					
Western yellow pine.....	23	94,134	1,465,087	15.56	11.00-16.27
Sugar pine.....	3	526	13,184	15.94	12.00-16.00
Douglas fir.....	3	745	8,214	10.74	7.00-12.00
Total or average.....	29	95,725	1,486,465	15.33	
Spread.....					7.00-18.27
Flat-rate softwoods.....	1	2,000	16,000	8.00	
Regional total or average.....	30	97,725	1,502,465	15.37	
Regional spread.....					7.00-18.27

## LOGS—OREGON, TOTAL

Individual softwoods:					
Western yellow pine.....	35	128,202	1,943,734	15.15	3.04-16.50
Sugar pine.....	3	826	13,184	15.04	12.00-10.00
Western larch.....	1	17	218	12.82	
Sitka spruce.....	22	107,012	1,609,708	15.04	10.50-23.70
Western hemlock.....	28	273,275	3,071,224	11.24	8.00-14.83
Douglas fir.....	113	1,323,751	19,049,132	14.39	3.00-17.97
White fir.....	8	7,990	99,388	12.44	6.75-15.00
Western red cedar.....	21	26,013	423,704	14.78	7.00-18.04
Port Orford cedar.....	9	77,201	2,825,428	30.60	21.40-54.94
Total or average.....	240	1,947,377	29,040,608	14.81	
Spread.....					3.00-54.94
Flat-rate softwoods.....	1	52,727	654,021	12.40	6.50-16.30
Total or average, all softwoods.....	244	2,000,104	29,694,719	14.85	
Spread, all softwoods.....					3.00-54.94
Individual hardwoods:					
Maple.....	1	2,503	55,441	22.15	
Ash.....	1	395	8,749	22.15	
Cottonwood.....	1	3,069	33,115	10.79	
Alder.....	1	1,288	28,520	22.15	
Total or average.....	4	7,255	125,834	17.34	
Spread.....					10.70-22.15
State total or average.....	248	2,007,350	29,820,553	14.86	
State spread.....					3.00-54.94

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